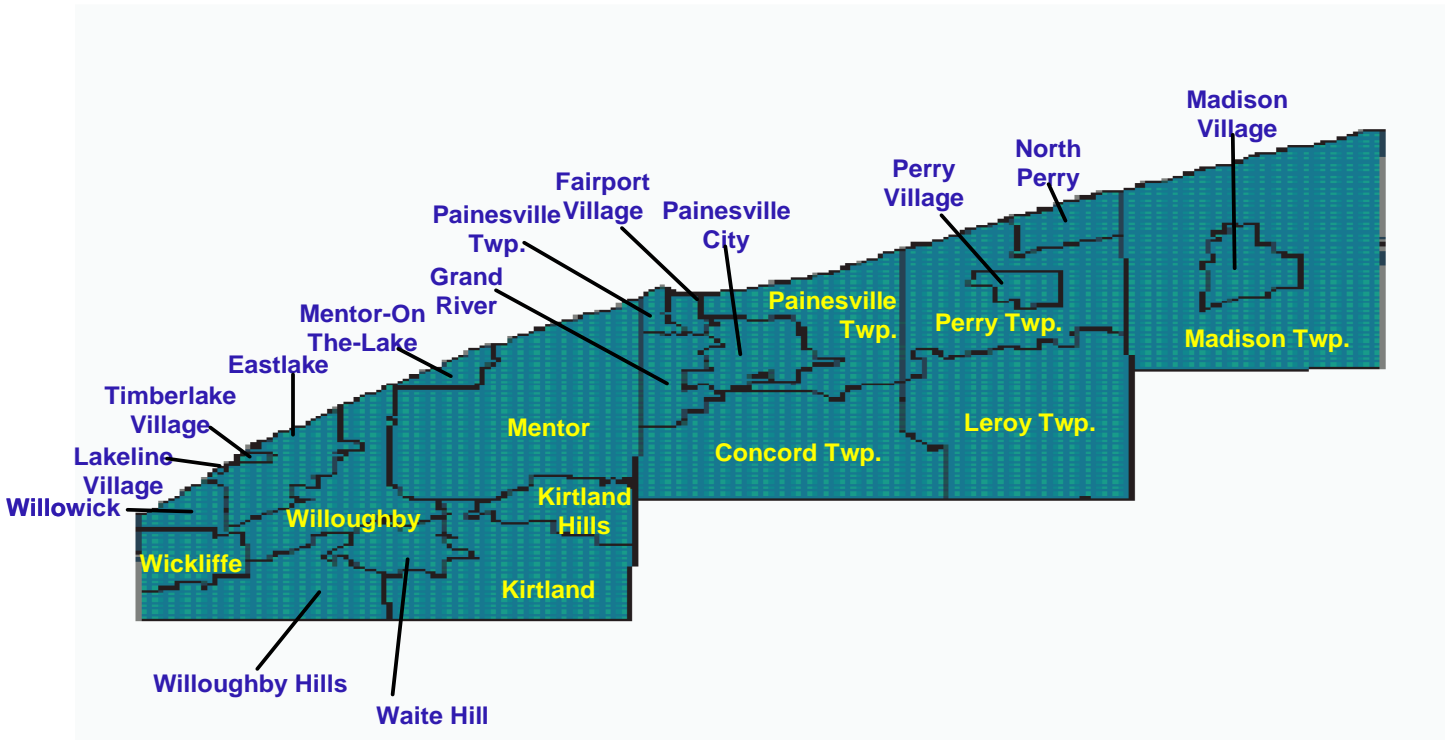


2005 Lake County, Ohio Community Health Assessment



2005 COMMUNITY HEALTH ASSESSMENT



Introduction

The 2005 Community Health Assessment for Lake County, Ohio is a collaborative effort between the Lake County General Health District ('LCGHD') and the Lake Hospital System ('LHS'). Community based organizations also supplied input via a Community Health Assessment Team ('CHAT'). Organizations included in the four (4) meetings held with CHAT members to review issues, preliminary data, final data and benchmarks were:

Suzanne Plumb, Crossroads
Mike Cosmos, East Shore SERC/LCFCFC
Pat Kohut, Family and Children First Collaborative
Christine Margalis, Family Planning Association
Veronica Dahlberg, Hóla
Martha Miller, Lake County Council on Aging
Jeanne Lipps, Lake County Free Medical Clinic
Deborah Foley, United Way

The community health assessment for Lake County, Ohio was conducted from April through September of 2005. Components of the assessment included key informant interviews and a survey of approximately 1% of the adult population (over 25 years of age) in Lake County. A target of 1,559 surveys was established to reflect the demographics of the adult population. Actual response rate resulted in 1,600 or 102.6% of target performance.

The survey covered nine (9) areas:

- (1) Demographics
- (2) Self-rating of Health Status
- (3) Wellness
- (4) Risk Factors
- (5) Exercise/Recreation
- (6) Medical
- (7) Health Insurance
- (8) Healthcare Use
- (9) Disease Trends by Political Subdivision

Chapters in this final report outline the results of the Community Health Assessment. Each chapter consists of three sections:

- (1) Self-reported data from the 1,600 respondents
- (2) Comparison or benchmark to Lake County data (where available), State of Ohio data and United States data including reference to the Healthy People 2010 goals.
- (3) An Action Plan outlining the response of Lake County to these findings.

The specific questions related to each topic are outlined in **bold print**, with **red font** noting areas that are deficient compared to benchmarks. Those items in **blue font** indicate Lake County performance higher than benchmark.

Executive Summary

Methodology

The methodology used in the 2005 Community Health Assessment included two (2) key components. The first component was conducting key informant interviews of Lake County General Health District Board of Health members, in which 10 of 15 members were interviewed. In addition, ten representatives of community based organizations were interviewed. These interviews inquired about the current status of health in Lake County, Ohio and the desired future of health status. These interviews were an attempt to construct hypotheses about target issues in Lake County.

Based on these hypotheses, a representative sample of Lake County residents were surveyed about nine (9) different categories of health in Lake County. The survey targeted 1,559 respondents that represent 1% of the adult population (age 25 and over), reflecting a geographic and demographic profile constructed of the overall population. In addition, a small convenience sample of 39 youth (age 10-18) was conducted, with some of the nine categories queried. In exchange for completing an approximate 100 question survey instrument, respondents received a \$5 incentive to be redeemed at Giant Eagle grocery stores. Actual participation resulted in 102.6% or 1,600 people responding to the survey. The majority of surveys were conducted on site, at various community sites (1,248/1,600 = 78%); with a minority (22% or 352/1,600) using a 1-800 toll-free line to respond to the survey.

Priority Areas

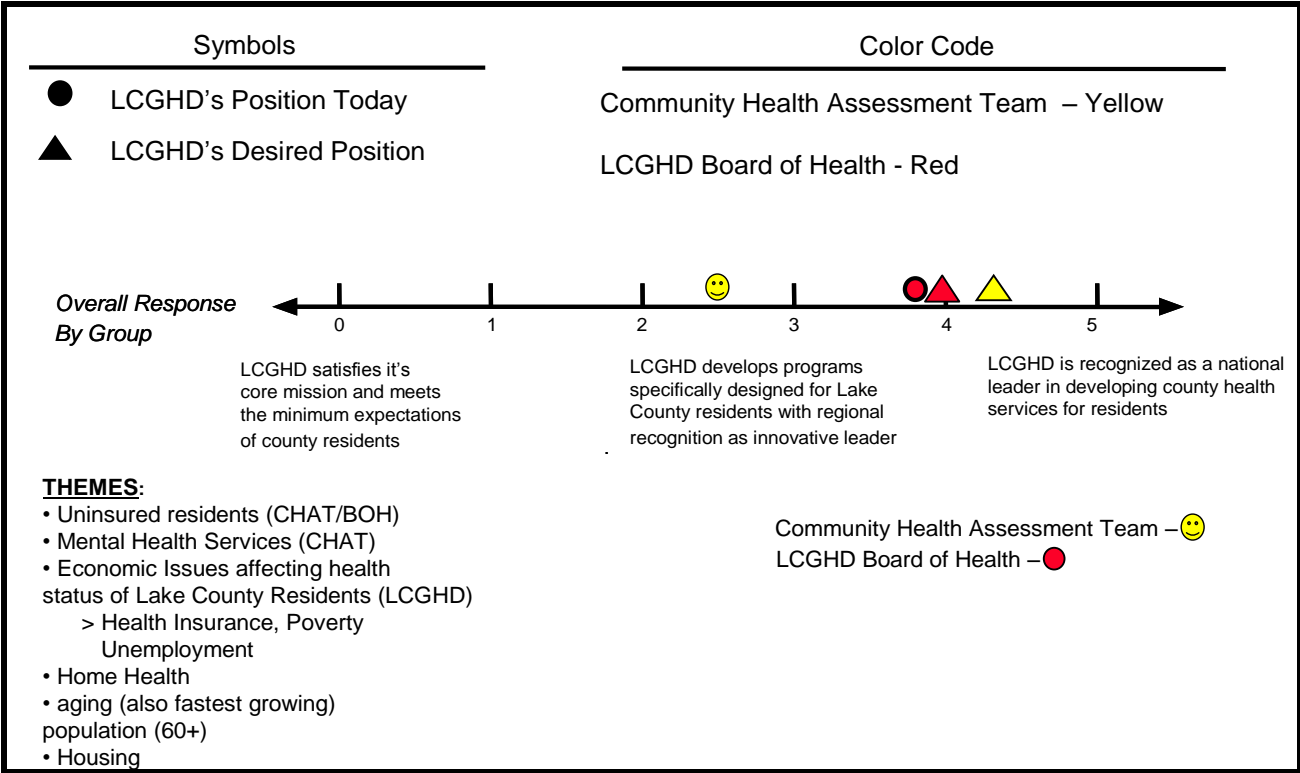
Based on the findings of the key informant interviews and community surveys, four (4) priority areas were selected to form the basis of an Action Plan for 2006. The seven (7) areas considered are displayed to indicate possible future areas of attention.

RANK	PRIORITY AREA/ (Focus Area-HP 2010)	RATIONALE	SOURCE/BENCHMARK
1	Coronary Heart Disease (12)/ Nutrition & Overweight (19)/ Physical Fitness & Activity (22)/ Diabetes (5)	<ul style="list-style-type: none"> ✓ #1 cause of death ✓ Alarming increase in obesity in Lake County ✓ Dramatic increase in diabetes incidence 	<ul style="list-style-type: none"> o Healthy People 2010 o ODH Statistics on Healthy Weight o Diabetes Incidence Increase o Input from CHAT members
2	Mental Health (18)	<ul style="list-style-type: none"> ✓ Resounding findings in survey of self-reported depression & severe mental illness ✓ Deaths due to suicide 	<ul style="list-style-type: none"> o Lake County Community Health Assessment o Healthy People 2010 o ODH Statistics on suicide deaths o Input from CHAT members
3	Substance Abuse (26)/ Domestic Violence/ Sexual Predation/ Gun Control	Correlation of substance abuse, domestic violence and sexual predation	<ul style="list-style-type: none"> o Lake County Community Health Assessment o Domestic violence dominant #1 concern/health priority in survey
4	Access to health care providers by Medicaid recipients	<ul style="list-style-type: none"> ✓ Apparent high proportion of CHA respondents unaware of benefits ✓ Issue with providers not accepting Medicaid 	<ul style="list-style-type: none"> o Lake County Community Health Assessment o Input from CHAT members
5	Elderly & Healthcare Utilization (Physical & Mental Health)	<ul style="list-style-type: none"> ✓ High % of retirees in Lake County ✓ Appetite for health care information/education 	<ul style="list-style-type: none"> o Demographics o Survey results & HP 2010
6	Tobacco Use (27)	Link to Lung Cancer	<ul style="list-style-type: none"> o ODH statistics on cancer deaths o Self-reported survey responses
7	Housing & Overcrowding	Link to #4 and environmental health issues	<ul style="list-style-type: none"> o Survey finding in demographics o Cross-tabs to employment, education, income and race/ethnicity

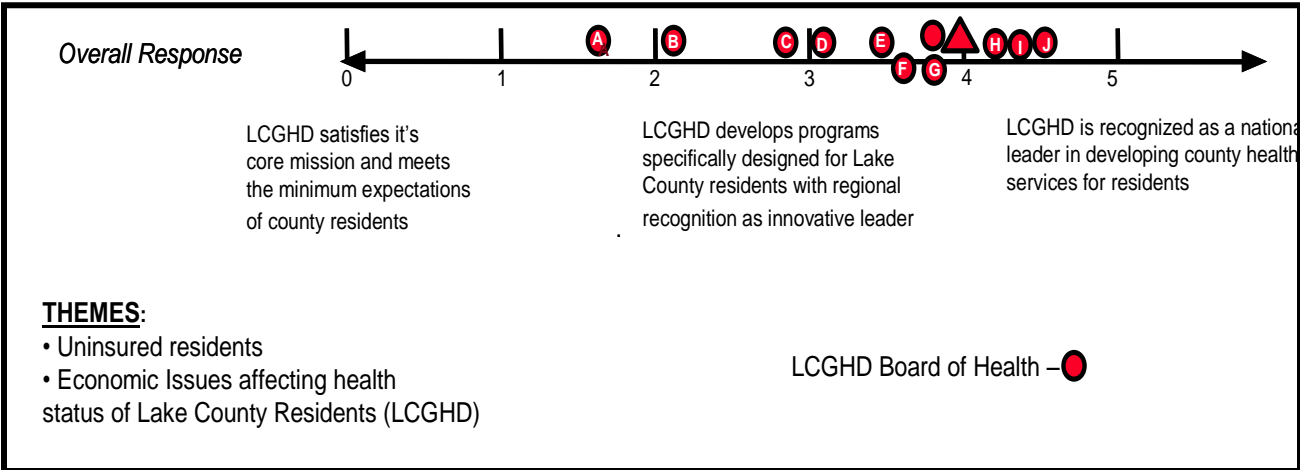
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Key Informant Interview Findings

Twenty (20) key informant interviews were conducted. Respondents were equally composed of Lake County General Health District Board of Health members and Community Based Organizations. Individual results of their ranking of current versus desired health status are displayed below, with circles indicating current health status and triangles, desired health status.

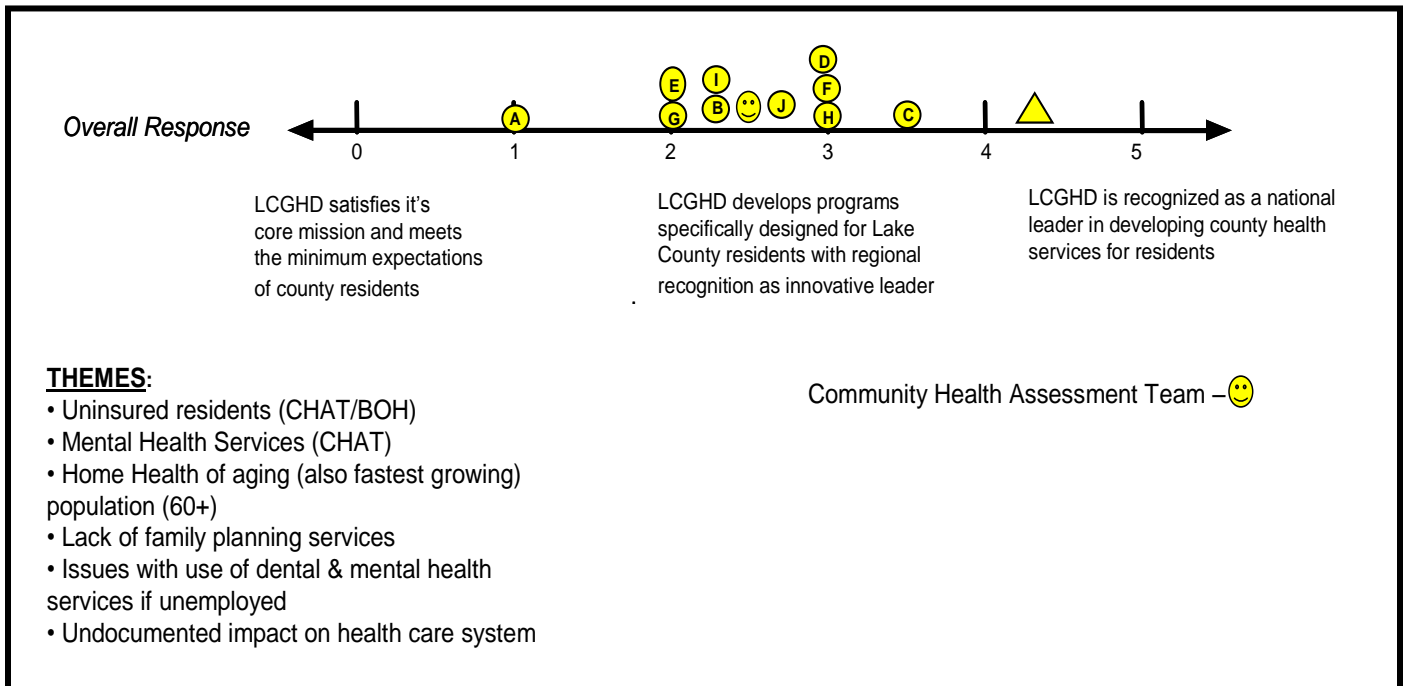


The average ranking of current health status was higher by **Board of Health members** (average = 3.8), as was the distance to desired health status (desired = 4), distance = .2. Variance among the ten (10) Board of Health members was greater than that of leaders of Community Based Organizations.



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Community Based Organizations had a tighter spread of opinion (more consensus) regarding current status, with a lower overall ranking of 2.5 when compared to LCGHD Board of Health members. Desired status was higher than LCGHD Board of Health members averaging 4.2. The difference between their average for current and desired status resulted in a perceived distance or need for improvement of 1.7.



In addition to the physical, mental and behavioral health issues assessed in the Community Health Assessment, key Environmental Health issues were studied. These included awareness of ozone action days, environmental services and the condition of housing throughout Lake County.

Conclusion of Key Informant Interview Findings

Both groups (Board of Health members and leaders of Community Based Organizations) perceive that ‘desired health status’ for Lake County should be near a ‘4’ ranking—that the Health Department should design programs customized to Lake County residents and be recognized as a regional leader in innovative delivery of these programs.

They differ in ‘current status’—Board members perceive that LCGHD is close to ideal status whereas CBO’s believe that significant progress must still occur.

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Community Health Assessment Survey

(1) Demographics

A sample frame was constructed to ensure that respondents mirrored the demographics of the adult population in Lake County. The target goal was 1% of the adult population, which was exceeded.

CATEGORY	Actual Data as of 7/12/2005	% Actual Data	Sample Frame	% Lake County	OH %	US %
<i>Gender</i>						
Male	735	46%	758	48.6%	48.6%	49.1%
Female	865	54%	801	51.4%	51.4%	50.9%
	1,600	102.6%	1,559			
<i>Race/Ethnicity</i>						
Caucasian	1,377	86%	1,446	95.4%	85.0%	75.1%
African American	86	5.4%	31	2.0%	11.5%	12.3%
Asian/Pacific	20	1.3%	14	0.9%	1.2%	3.6%
Hispanic/Latino	100	6.3%	27	1.7%	1.9%	12.5%
Native American	8	.5%	16	0.1%	0.2%	0.9%
Multi-race	9	.5%	14	0.9%	2.1%	8.1%
Other			11	0.7%		
	1,600	102.6%	1,559			
<i>Age Group</i>						
1-14					6.6%	6.8%
15-24	47	2.90%			25.4%	25.7%
25-64	1,233	77.1%	1,239	79.4%		
65+	320	20.0%	320	20.6%	13.3%	12.4%
			1,559			
TOTAL	1,600	102.6%	1,559		11,435,798	290,809,777

All categories reflect the composition of adults in Lake County within 2 decimal points, for a 97% reliability rating. The only category with an exception is race/ethnicity. Minorities were consciously oversampled to collect information on health systems disparities.

In addition to demographic sampling, geographic sampling of the twenty-three political subdivisions occurred to ensure analogous representation by residence of respondents.

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Geographic Sample Frame

Political Subdivision	SAMPLE FRAME: 10% of 25 years of age+	RESIDENCE of SURVEY RESPONDENTS	#	%
Mentor city	20.6%	Mentor	330	20.6%
Willoughby city	9.3%	Willoughby	149	9.3%
Eastlake city	8.3%	Eastlake	132	8.3%
Painesville Township UIA	7.6%	Madison Twp	121	7.6%
Madison Township UIA	7.5%	Painesville Twp.	118	7.4%
Painesville city	7.1%	Painesville City	114	7.1%
Concord Township	6.3%	Concord Township	102	6.4%
Willowick city	5.9%	Willowick	95	5.9%
Wickliffe city	5.5%	Wickliffe	89	5.6%
Willoughby Hills city	3.5%	Willoughby Hills	57	3.6%
North Madison CDP	3.5%	North Madison CDP	54	3.4%
Perry Township	3.4%	Mentor-on-the-Lake	53	3.3%
Mentor-on-the-Lake	3.3%	Perry Township	52	3.3%
Kirtland City	2.7%	Kirtland City	42	2.6%
Fairport Harbor Village	1.3%	Leroy Township	21	1.3%
Leroy Township	1.3%	Fairport Harbor Vlg	20	1.3%
Madison Village	1.2%	Madison Village	19	1.2%
Perry Village	0.5%	Perry Village	8	0.5%
North Perry Village	0.3%	Lakeline Village	6	0.4%
Timberlake Village	0.3%	North Perry	5	0.3%
Kirtland Hills Village	0.2%	Timberlake Viilage	5	0.3%
Waite Hill Village	0.2%	Kirtland Hills	3	0.2%
Grand River Village	0.1%	Waite Hill	3	0.2%
Lakeline Village	0.1%	Grand River	2	0.1%
TOTAL	100.0%	TOTAL	1,600	100.0%

 Below sample frame

 Above sample frame

In addition to the adult survey, a youth survey was conducted. Youth was defined as less than 18 years of age. Thirty-nine (39) respondents took this survey, with similar racial/ethnic composition to the sample frame.

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A sample frame was not designed for youth. The methodology used was a convenience sample.

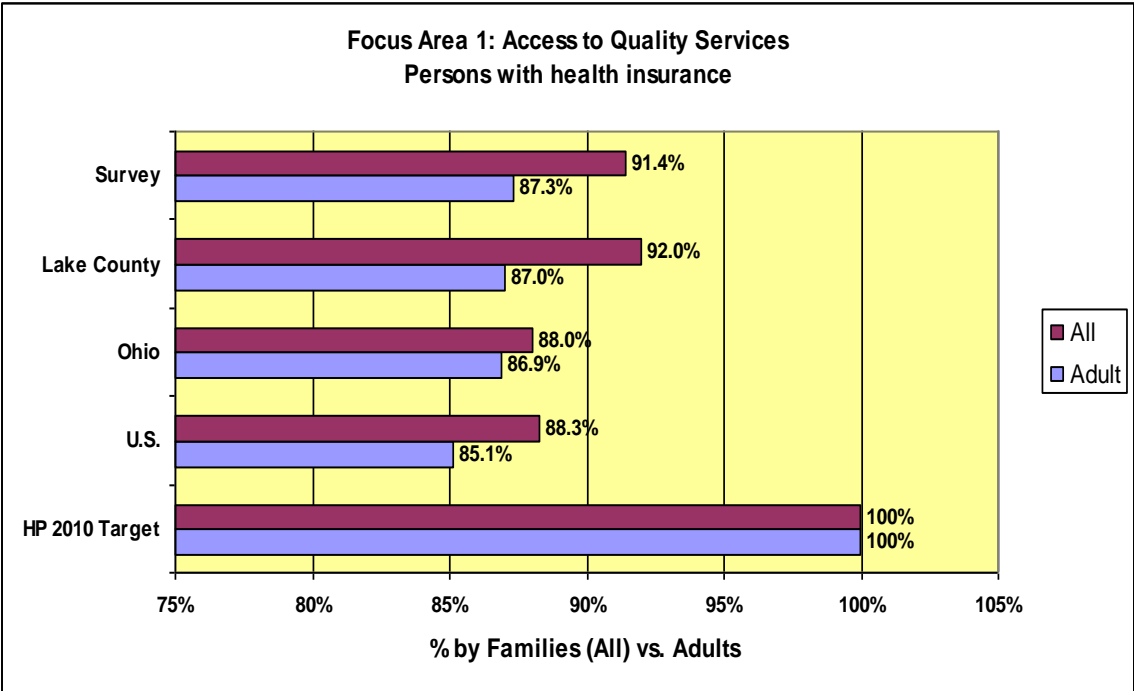
Youth Response

CATEGORY	Actual Data as of 8/24/2005	% Actual Data
Male	17	43.6%
Female	22	56.4%
	39	100%
<i>Race/Ethnicity</i>		
Caucasian	34	87.2%
African American	1	2.6%
Asian/Pacific		
Hispanic/Latino		
Native American	1	2.6%
Multi-race	1	2.6%
No response	2	5.1%
	39	100%
<i>Age Group</i>		
0-9	1	2.6%
10-18	38	97.4%
TOTAL	39	100%

(2) General Health Status

Survey Findings

- 85.6% of adult respondents consider their health to be good or excellent (24.6% excellent, 61% good), 12% rate their health ‘fair’ and 2.4% ‘poor’.
- 100% of youth rate their health good or excellent (69.2% ‘excellent’, 30.8% ‘good’)
- Of those who rated their health status as an issue, access to services was frequently cited as the barrier to attaining higher health status. In particular, health insurance availability was referenced as a barrier.
- Lake County enjoys higher rates of health insurance for families and adults. The subgroup reporting lower rates of health insurance were Hispanics/Latinos (26%).
 - Of the 26% of Hispanics/Latino(a)s reporting no health insurance, 30% had spent no resources (\$0) on health care within the past twelve months.



◆ **Composition by payer for Ohio in 2003 is:**

- 62% employer sponsored
- 3% individual
- 12% Medicare
- 11% Medicaid
- 12% Uninsured

For Lake County in 2003 is:

- 62% employer sponsored
- 4% individual
- 18% Medicare
- 8% Medicaid
- 8% Uninsured

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Benchmarks (confined to adults)

FOCUS AREA	HP 2010 Target	U.S.	Ohio	Lake County	Survey
1 - Access to Quality Services					
1.1 Persons with health insurance					
Adult	100%	85.1%	86.9%	87.0%	87.3%
All	100%	88.3%	88.0%	92.0%	91.4%

Rating	US	OH	LC	LC v US	LC v OH
Excellent	20.8%	21.2%	24.6%	3.8	3.4
Good	63.4%	64.1%	61%	2.4	3.1
Fair	10.8%	10.8%	12%	1.2	1.2
Poor	3.9%	3.6%	2.4%	1.5	1.2

(Source: *US and Ohio-Behavioral Risk Factor Surveillance Study, 2002*
Lake County - CHA Survey, 2005)

The meaning of the above data is clearer when 'excellent & good' and 'fair & poor' are combined. Lake County has a slightly higher proportion of respondents who perceive their general health as 'excellent & good' (1.4 points) than the national average and slightly higher than Ohio (0.3).

Lake County has a slightly lower percentage of 'fair & poor' (0.3) and is even with the state of Ohio. **The most striking favorable point is the lower figure for 'poor' in Lake County versus both the U.S. (1.5) and Ohio (1.2).**

Rating	US	OH	LC	LC v US	LC v OH
Excellent & Good	84.2%	85.3%	85.6%	1.4	0.3
Fair & Poor	14.7%	14.4%	14.4%	0.3	--

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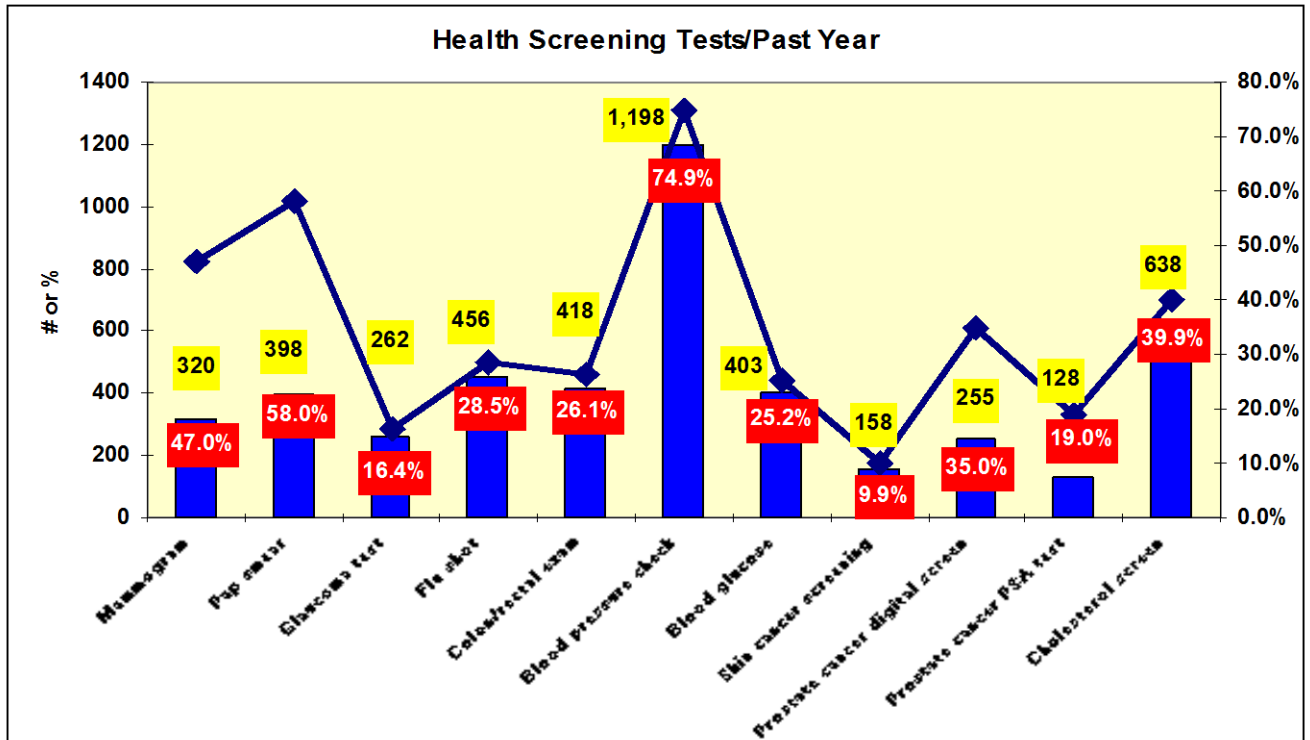
(3) Wellness

Survey Findings

72% of respondents stated that they are responsible for their own health status, 13% stated that their doctor was responsible, 10% cited church/faith, 2% their spouse and 1% their hospital.

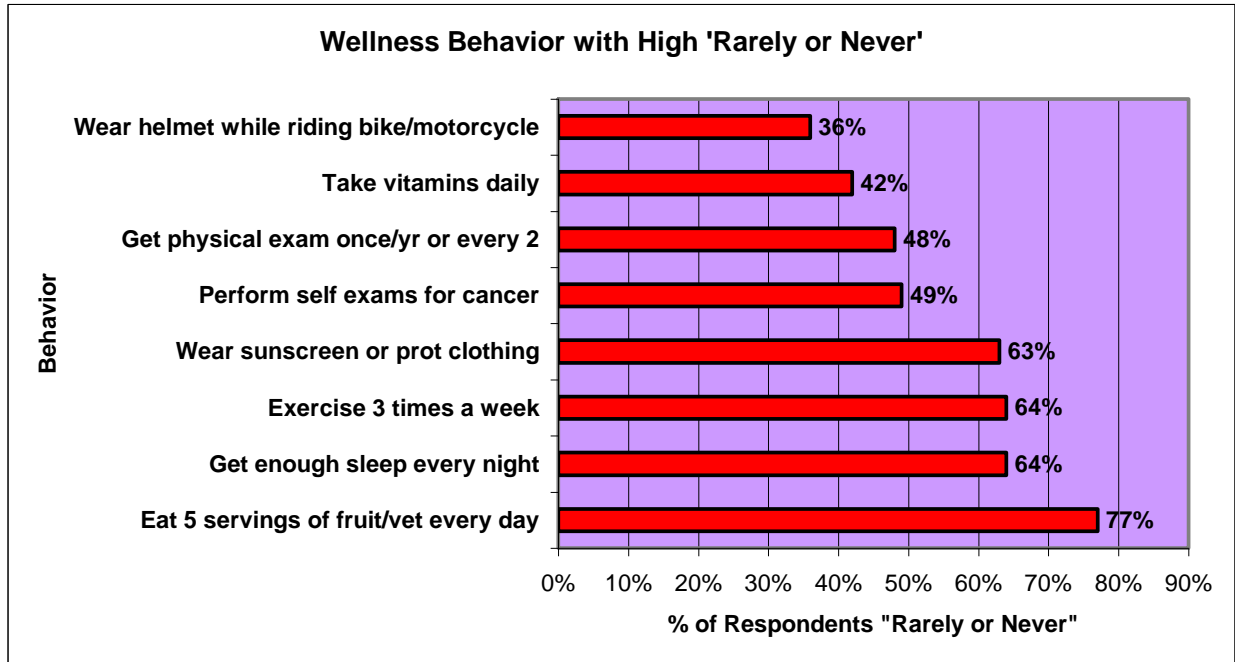
Screenings:

39) Check any of the following tests that you've had in the past year:			<i>COMMENT-Benchmark</i>	
<i>TEST multiple responses</i>	#	%		
Mammogram	320	20.0%	47% females	59% HEDIS
Pap smear	398	24.9%	58% females	63% HEDIS
				87% of women w/ no reported PAP prior year, didn't have doctor recommend one
Glaucoma test	262	16.4%		
Flu shot	456	28.5%		
Colon/rectal exam	418	26.1%		
Blood pressure check	1,198	74.9%		
Blood glucose	403	25.2%		
Skin cancer screening	158	9.9%		
Prostate cancer digital screen	255	15.9%	35% males	
Prostate cancer PSA test	128	8.0%	19% males	52.1% males
Cholesterol screen	638	39.9%		
TOTAL	1,600	100.0%		



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Four (4) screening tests 'appear' low, but are gender-specific: mammograms, pap smears and prostate screens.



The highest non-compliant wellness behavior was eating 5 servings of fruits or vegetables per day. The next two (2) highest wellness behaviors with the least compliance are related to adequate sleep and exercise. Sunscreen or protective clothing use closely follow, then self-conduct of cancer screenings. Receipt of a physical exam every year or every other year, taking daily vitamins and wearing a helmet when riding a bicycle or motorcycle are the remaining behaviors with over one-third of respondents 'rarely or never' practicing these wellness behaviors.

Benchmarks

BEHAVIORAL RISK FACTOR SURVEILLANCE SURVEY (BRFSS)	US	OH	Lake County	Survey	
Other (BRFSS)				1 yr	3 yrs
No mammogram within 3 years	15.9%	15.9%		51.4% yr	17%
No PAP smear within 3 years	13.6%	13.6%		53.5% yr	12.2%
Not enough fruits & vegetables	77.3%	79.5%		79.8%	
Obesity by Body Mass Index	22.1%	23.0%		26.9%	
Overweight	37.0%	35.8%		38.4%	
Adults over 50 with colorectal exam last 2 yrs	26.4%	25.2%		26.1%	
<i>(blood stool test)</i>					
Adults over 50 'ever' sigmoid or colonoscopy	52.9%	53.1%			
Males over 40 with PSA test in past 2 yrs	52.0%	53.1%		52.1%	

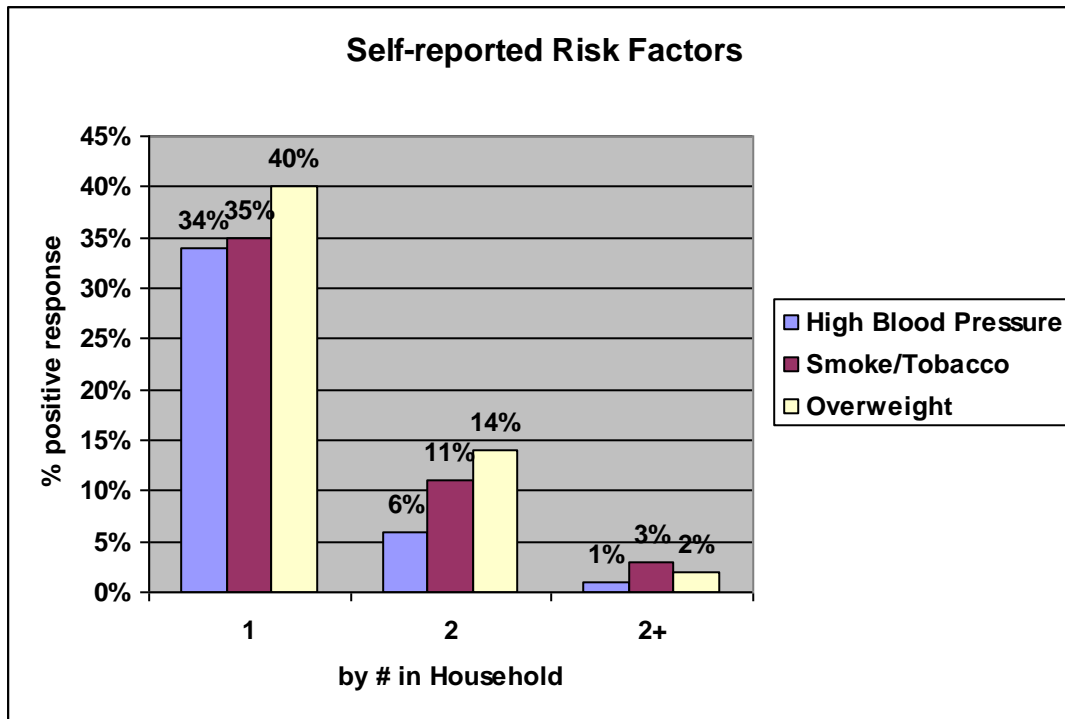
(4) Risk Factors

Survey Findings

- One of the most troubling risk factors reported concerned gun control. Of 1,600 survey respondents, 23% (368) had firearms in their homes.
- Of this 23%, 83% (304) did not have the firearms under lock or otherwise secured.
 - 85 of the 304 (28%) unsecured weapons were in households with children under 10 years of age
- Of the 23% of Lake County Community Health Assessment survey respondents who reported unsecured firearms, 164 or 45% were loaded weapons

The 164 unsecured weapons that are loaded equates to a 10.25% rate. This compares to a national figure of 11%.

Other risk factors include high blood pressure, tobacco use and overweight/obesity.



A high rate of alcohol use was noted by survey respondents, though NOT by the participants to the Youth survey. In response to the number of drinks consumed “on the days you consume alcohol”, 38.2% of respondents cited 3 or more drinks. (22% at 3 drinks, 16.2% four or more). Both responses qualify as binge drinking.

Almost 100 (6%) adult survey respondents stated that they had been driven in a vehicle by a driver who had too much to drink, 2.9% were ‘not sure’ and 1.4% would not respond to this question.

Substance abuse (alcohol & drug abuse) was rated #1 by 50% of adult survey respondents as the ‘most urgent’ issue in Lake County that impacts community health.

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Benchmarks

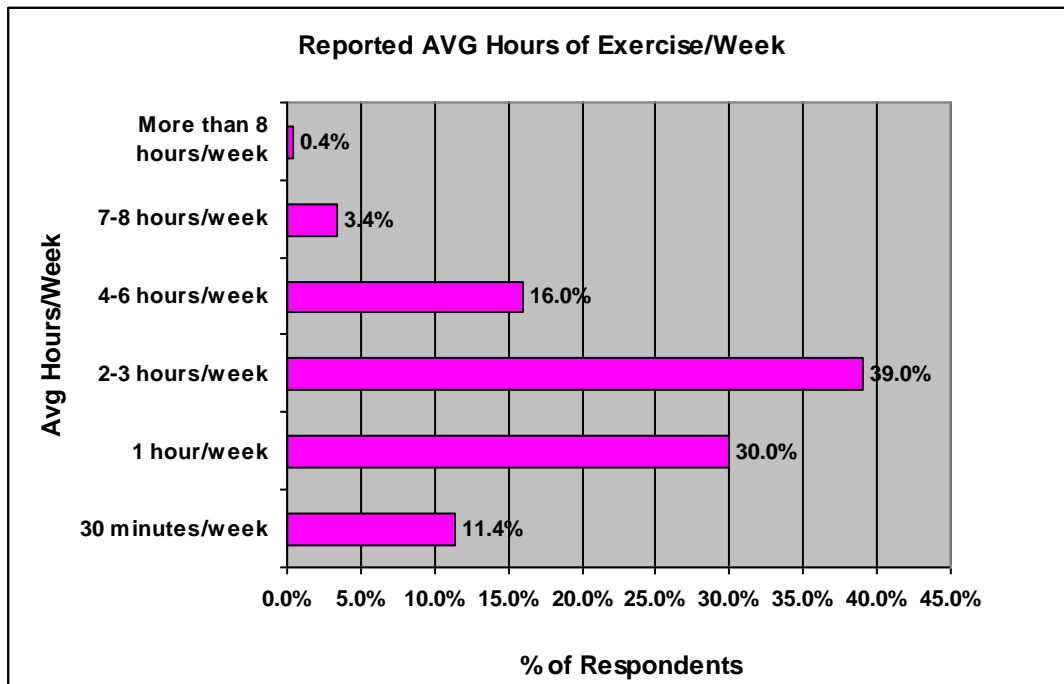
FOCUS AREA: HEALTHY PEOPLE 2010	HP 2010 Target	U.S.	Ohio	Lake County	Survey
26 - Substance Abuse					
26-11.c Binge drinking (adults)	10%	15%	16.9%		16.2%
26-13.a Adult females exceeding guidelines for low-risk drinking	2%	4.8%	5.8%		5.7%
26-13.b Adult males exceeding guidelines for low-risk drinking	2%	5.1%	6.1%		6.0%

27 - Tobacco Use - (2002)					
27-1.a Cigarette smoking (adult)	12%	23% ('02)	26.60%	25.8%	26.3%
27-1.b Spit tobacco use	0.4%	2.3% ('00)			1.7%
27-1.c Cigar smoking	1.2%	2.2% ('00)			1.1%
27.1 Exposure to tobacco smoke	45.0%	53.9% ('00)			33.8%

(5) Exercise/Recreation

Survey Findings

- 71% of survey respondents indicated that they engaged in at least 10 minutes of activity per week (activity increasing their blood pressure or pulse)
- The location of such activity was primarily at home (68%); followed by parks (54%); rivers, beaches, lakes (45%); then movie theaters, libraries and church.
- Routine visits to Lake County parks were reported by 63% of respondents. The top 5 most visited parks were: (1) Headlands (13%) (2) Fairport Beach (9%), all Metro parks and Recreation Park in Painesville (8%) and Concord ('dog') park (7%).
- The amount of respondents who engaged in regular exercise by average amount of exercise per week:



Benchmarks

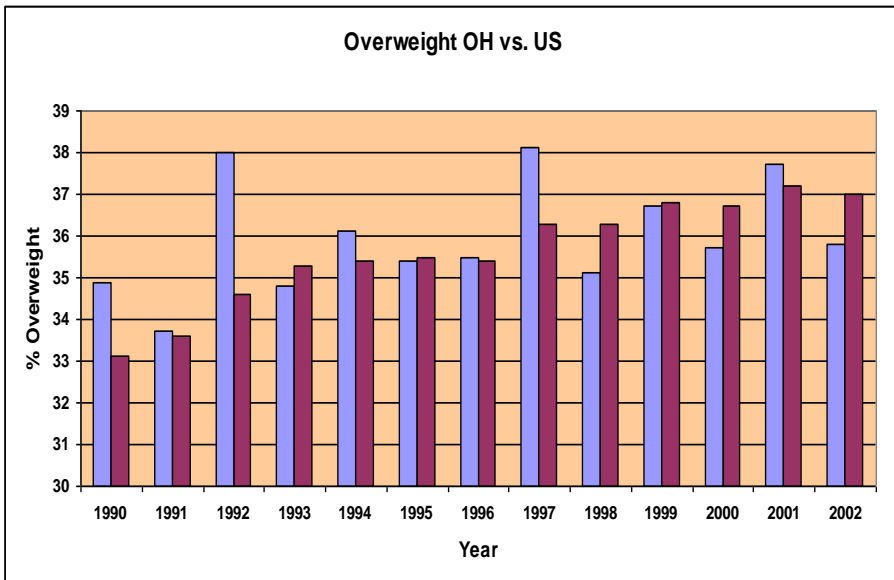
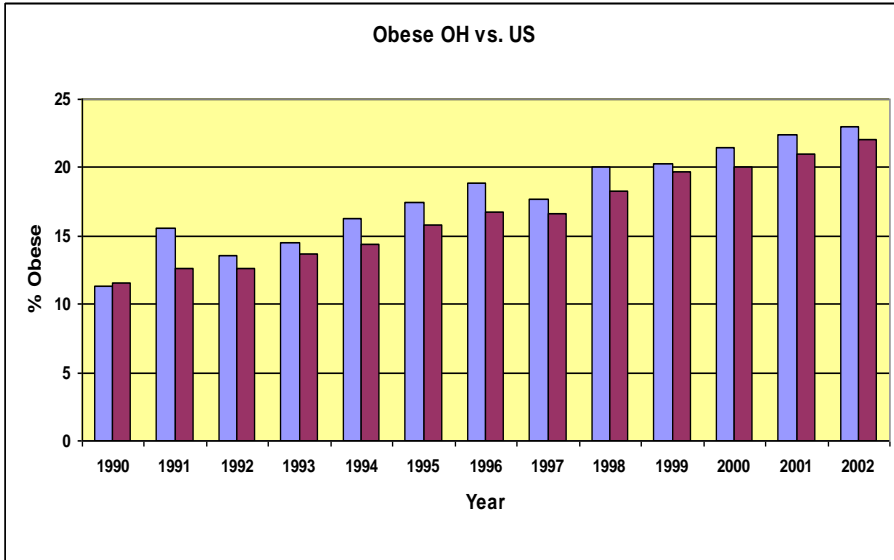
Physical activity is particularly important because the rates of overweight and obesity are of concern.

FOCUS AREA	HP 2010 Target	U.S.	Ohio	Lake County	Survey
19 - Nutrition & Overweight					
19.1 Overweight in adults (age 20+)	60%	36.8%	36%		38%
19.2 Obesity in adults	15%	23.1%	25.2%		24.5%

	Higher than US
	Higher than OH
	Higher than US & OH

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FOCUS AREA	HP 2010 Target	U.S.	Ohio	Lake County	Survey
22 - Physical Activity & Fitness (adult)					
22.1 No leisure time physical activity	20%	23% ('02)	22.4%		22.7%
22.2 Some activity, not regular		15%	16.0%		15.0%
22.3 Moderate, regular physical activity	50%	39%	39%		39.3%
22.4 Vigorous physical activity	30%	23%	23%		23.0%



Year	Obese		Overweight	
	Ohio	US	Ohio	US
1990	11.3	11.6	34.9	33.1
1991	15.6	12.6	33.7	33.6
1992	13.6	12.6	38	34.6
1993	14.5	13.7	34.8	35.3
1994	16.3	14.4	36.1	35.4
1995	17.5	15.8	35.4	35.5
1996	18.9	16.8	35.5	35.4
1997	17.7	16.6	38.1	36.3
1998	20	18.3	35.1	36.3
1999	20.3	19.7	36.7	36.8
2000	21.5	20.1	35.7	36.7
2001	22.4	21	37.7	37.2
2002	23	22.1	35.8	37
Delta	11.7	10.5	0.9	3.9

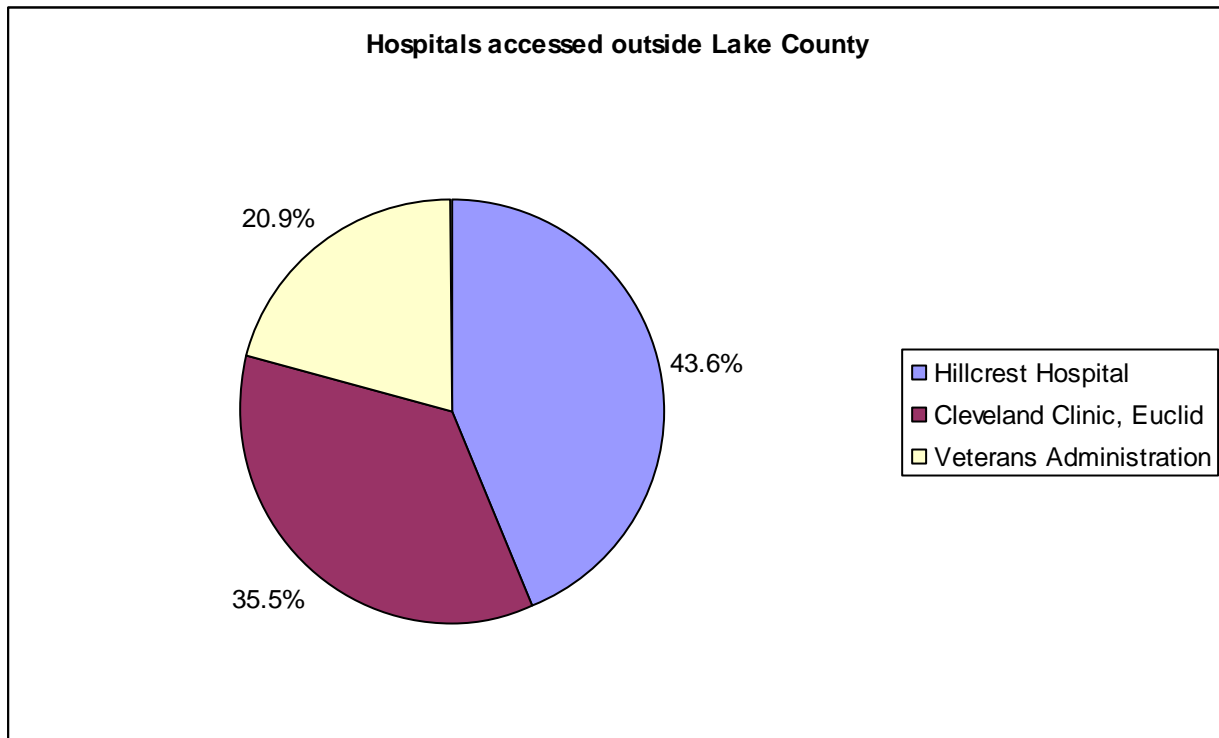
HP 2010: 20% overweight
US: 36.8%
OH: 35.8%
LC: 38% (survey)

(6) Medical

Survey Findings

- 80% of survey respondents reported treatment in Lake County for medical conditions
- Of the 20% seeking care outside the County:
 - 69% had doctor appointments
 - **28% hospitalization**
 - 21% outpatient care
 - 17% mental health counseling
 - 14% dental appointments

Of the primary hospitals accessed outside Lake County by those seeking care outside the area, the major facilities used were:

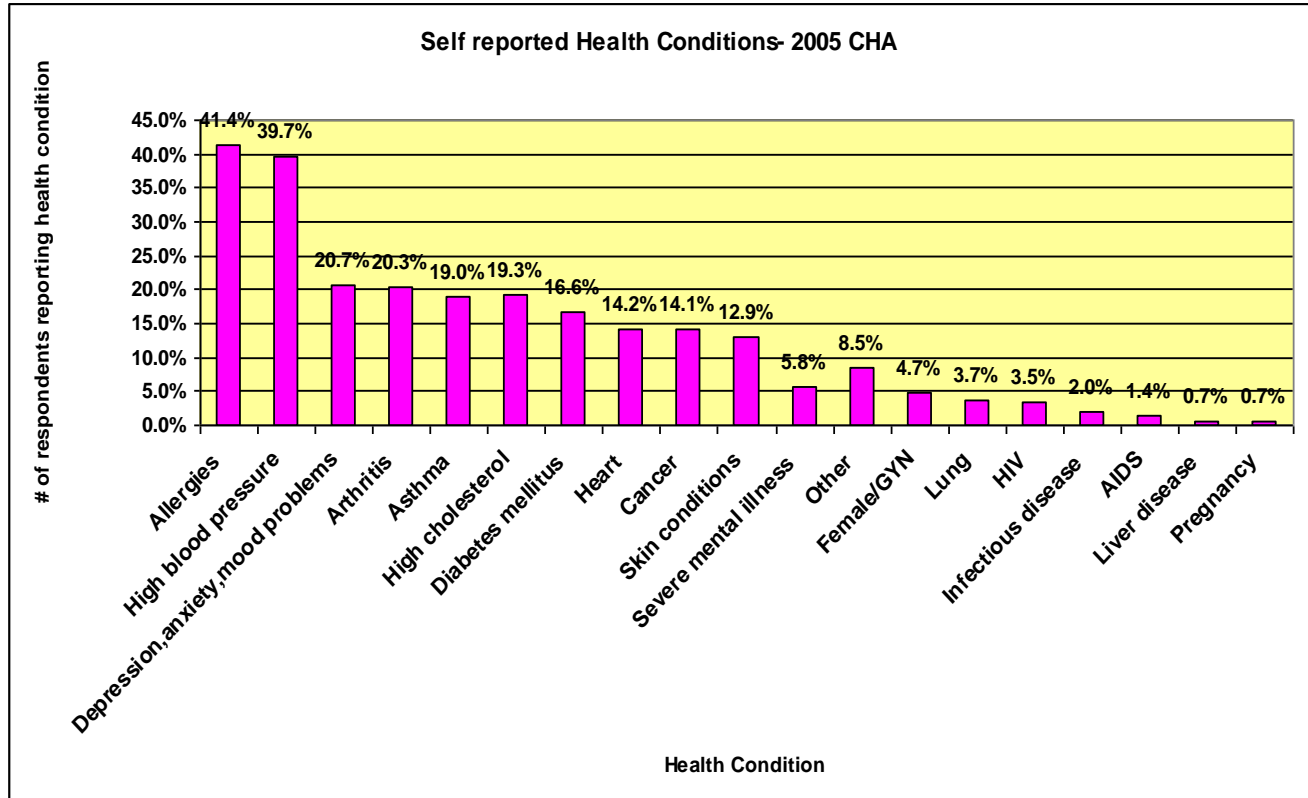


Services most frequently cited were obstetrics, cancer care, infectious disease and mental health

- Reasons given for accessing care outside Lake County include:
 - 29% ‘quality better elsewhere’
 - 26% confidentiality
 - 21% perceived services not available
 - 19% stated that local doctors were not on their insurance plan
 - 17% kept their own physician when they moved to Lake County
 - 5% stated that ‘out County’ providers were closer to work
 - 2% felt that appointments in Lake County were too hard or impossible to get

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Self-reported medical conditions include:



Mental Health Conditions:

- ◆ Depression/anxiety/mood problems – 20.7%
- ◆ Severe mental illness – 5.8%
- ◆ Suicidal ideation – 7.4%

	Depression/ Mood/Anxiety	Severe Mental Illness	Suicidal Ideation
Demographics	55% female, 45% male	63% male, 37% female	59% male, 41% female
Employment status	6% unemployed	72% unemployed	12% unemployed
Insurance status	12% no insurance	80% no insurance	20% no insurance
Housing condition	5% poor housing conditions	47% poor housing conditions	27% poor housing conditions
Co-morbidities	18% report HIV/AIDS 5% severe chronic (kidney disease, cancer, transplant)	70% report HIV/AIDS 25% report infectious disease	35% substance abuse 47% mental health
Substance use	23% substance abuse	33% recreational drug use	35% substance abuse (3+ drinks/day)
Use of mental health counseling	34% mental health counseling	38% mental health counseling	13% mental health counseling
Self rating of Mental health Status	57% poor	68% poor	72% poor

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Benchmarks

18 - Mental Health & Mental Health Disorders					
18.1 Suicides (per 100,000)	5	10.9 ('02)	11.0	14.3	
<i>Suicidal ideation</i>					8.5%
18.3 Serious mental illness among homeless	19%	25%			27%
18-9.a Treatment for SMI adults	55%	47%			
18-9.b Treatment for adults with depression	50%	23%			25.3%
18-9.c Treatment for adults with schizophrenia	75%	60%			
18-9.d Treatment for adults w/ generalized anxiety disorders	50%	38%			

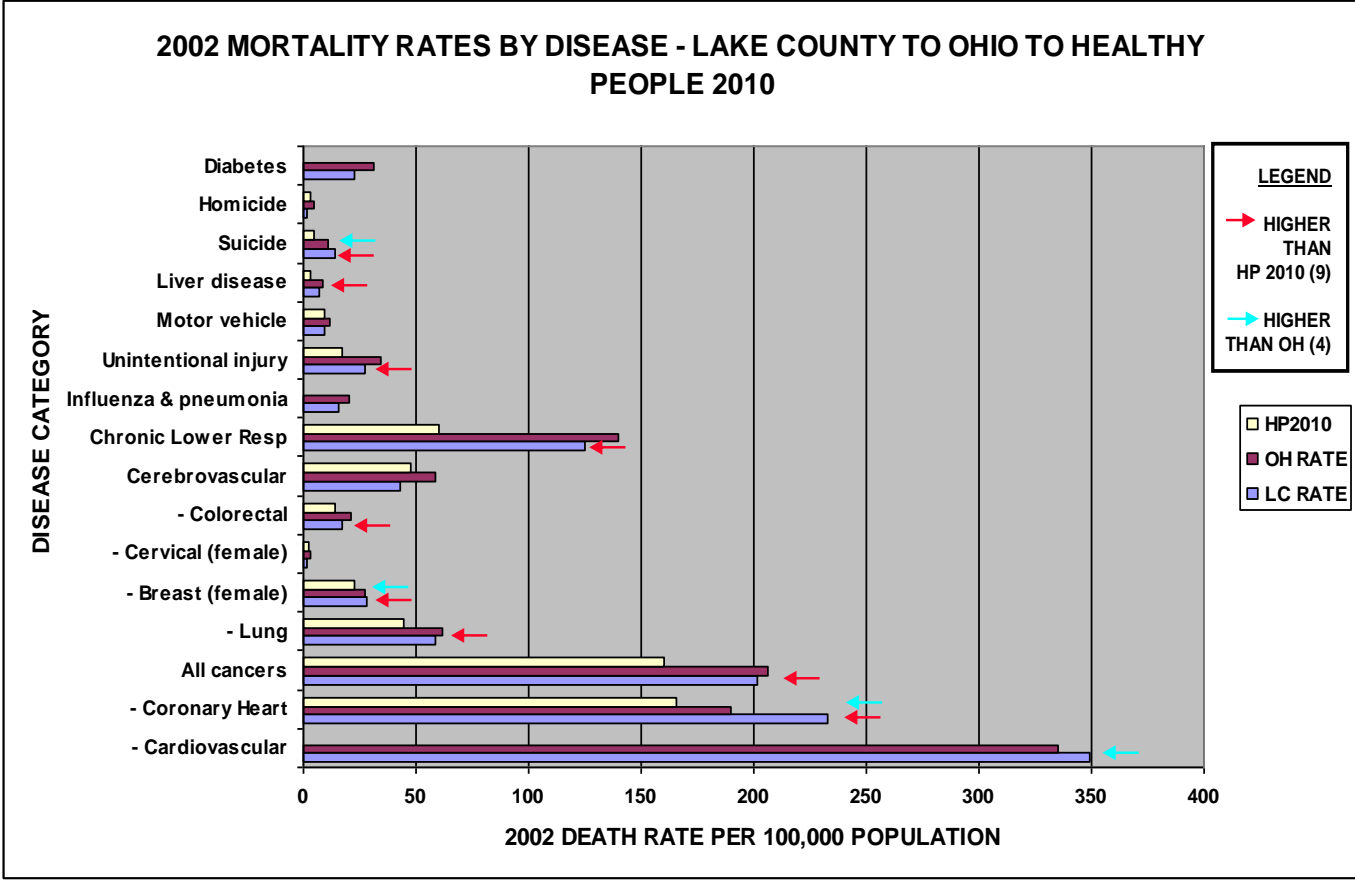
Benchmark Findings: In 2002, Lake County had 9 disease categories that did not meet Healthy People 2010 goals. Four (4) disease types had worse results than the aggregate for Ohio.

Lake County					Ohio							
Disease Category	Rank	# of Deaths	Rate	HP2010	Disease Category	Rank	# of Deaths	Rate	HP2010			
Heart disease	1	1,497			Heart disease	1	63,909					
- Cardiovascular		898	348.9		- Cardiovascular		40,779	335.2				
- Coronary Heart		599	232.6	166	- Coronary Heart		23,130	190.2	166			
All cancers	2	525	201.4	159.9	All cancers	2	24,895	206.5	159.9			
- Lung		153	58.3	44.9	- Lung		7,418	61.6	44.9			
- Breast (female)		41	28.2	22.3	- Breast (female)		1,893	27.7	22.3			
- Cervical (female)		2	1.6	2	- Cervical (female)		180	2.9	2			
- Colorectal		44	16.8	13.9	- Colorectal		2,534	20.9	13.9			
Cerebrovascular	4	110	42.9	48	Cerebrovascular	3	7,161	58.7	48			
Chronic Lower Resp	3	114	124.9	60	Chronic Lower Resp	4	5,909	139.5	60			
Influenza & pneumonia	7	40	15.8		Influenza & pneumonia	7	2,448	20.1				
Unintentional injury	5	66	27.7	17.5	Unintentional injury	5	3,996	34.3	17.5			
Motor vehicle	9	21	9.3	9.2	Motor vehicle	8	1,471	12	9.2			
Liver disease	10	18	6.8	3	Liver disease	10	1,039	8.7	3			
Suicide	8	34	14.3	5	Suicide	9	1,267	11	5			
Homicide	11	3	1.2	3	Homicide	11	537	4.7	3			
Diabetes	6	60	23		Diabetes	6	3,806	31.5				
		2,152	1,124.80				107,255	1,209.50				

15 indicators:	Worse HP 2010	9	56%	Coronary Heart	Worse OH	4/16	→ 25% Cardiovascular
	Better HP 2010	3	19%	All Cancers	Better OH	12/16	75% Coronary Heart
	N/A HP 2010	4	25%	Lung Cancer			Breast Cancer
		16		Breast cancer			Suicide
				Colorectal cancer			
				Chronic Lower Resp			
				Unintentional injury			
				Liver disease			
				Suicide			

2005 Lake County, Ohio Community Health Assessment

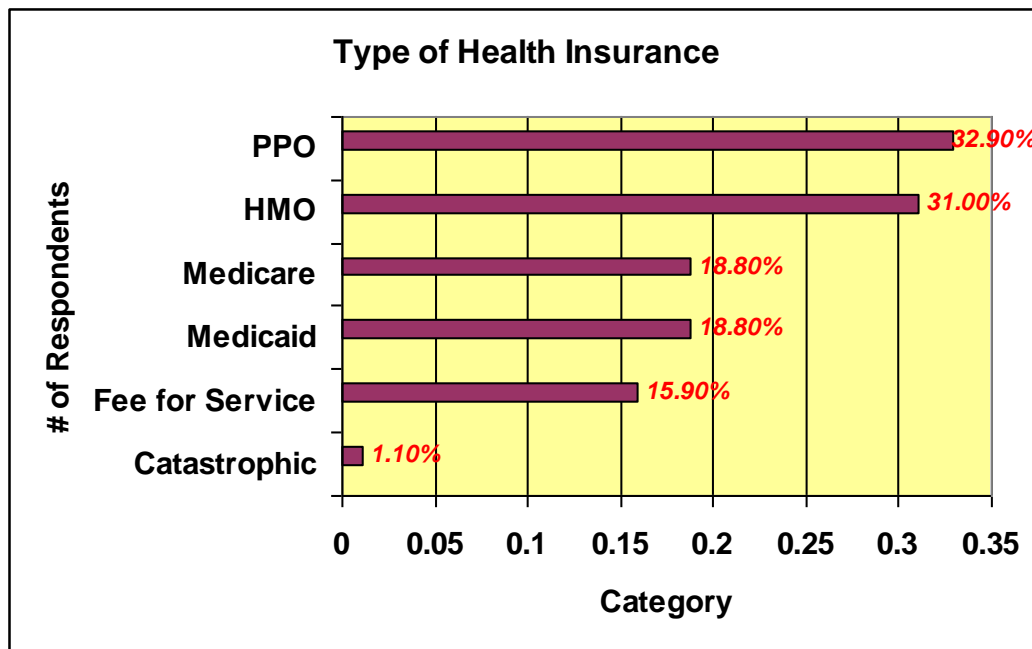
Benchmark Findings: In 2002, Lake County had 9 disease categories that did not meet Healthy People 2010 goals. Four (4) disease types had worse results than the aggregate for Ohio.



(7) Health Insurance

Survey Findings

- Lake County enjoys higher rates of health insurance for families and adults than the State of Ohio or the nation, probably related to its high rates of employment. The rate of uninsured was 11% in Lake County (11.9% for survey respondents) versus 13.1% for Ohio and 14.9% for the United States.
- 20.5% of adult survey respondents stated that they had not accessed health care services in the past twelve months due to insurance issues with healthcare and/or prescription drugs.
- The subgroup reporting the lowest rates of health insurance was Hispanics/Latinos (26%).
 - Of the 26% of Hispanics/Latino(a)s reporting no health insurance, 30% reported spending no resources (\$0) on health care within the past twelve months.
- Services presenting disproportionate issues were mental health and dental services.
 - 11.3% stating that they couldn't get medical services listed mental health counseling, all due to cost (lack of health insurance)
 - 23.6% of survey respondents did not access dental care in the past twelve months, of whom 44.3% cited cost as the reason for not accessing care.



Benchmarks

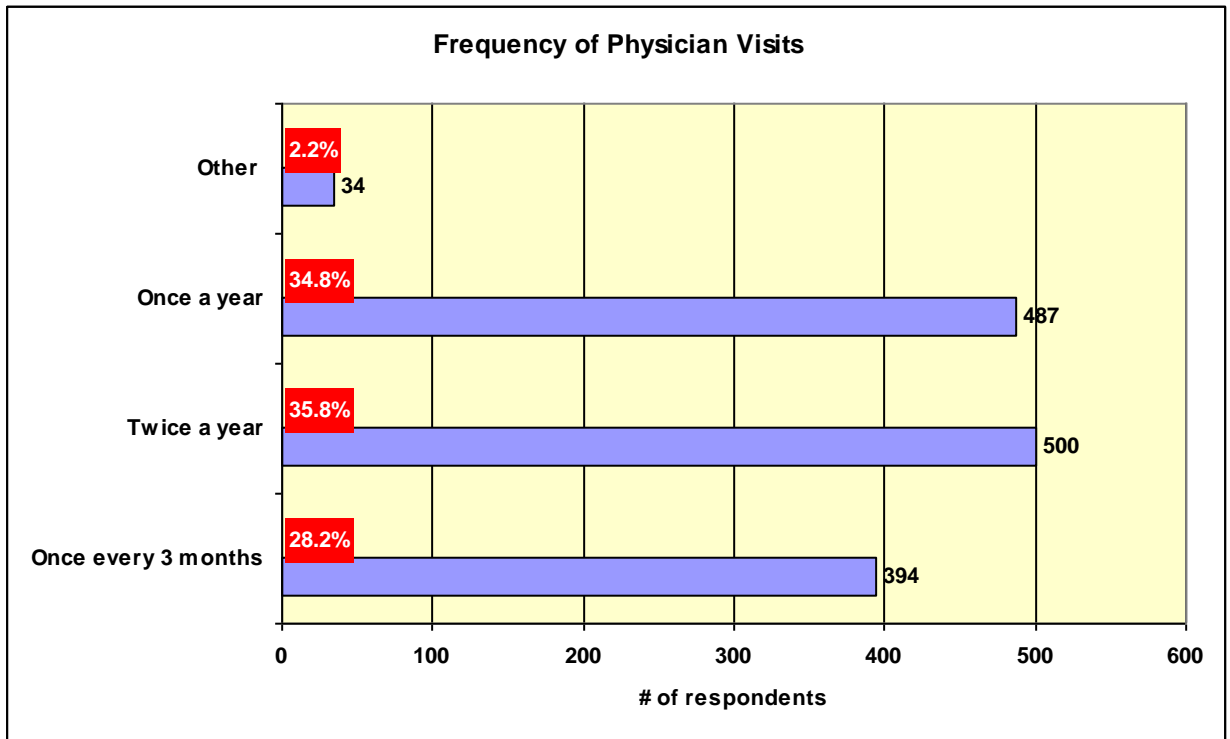
FOCUS AREA	HP 2010 Target	U.S.	Ohio	Lake County	Survey
1 - Access to Quality Services					
1.1 Persons with health insurance					
Adult	100%	85.1%	86.9%	89.0%	88.1%
All	100%	88.3%	88.0%	92.0%	91.4%

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(8) Healthcare Use

Survey Findings

- 87.4% of adult survey respondents stated that they had seen a doctor in the past twelve months
- Frequency of visits of these 87.4% (1,398) is displayed below:



- Immunization/vaccination access was 45% for children versus 21% for adults.
- 25% of adult survey respondents stated that they had received vaccinations or immunizations at the Lake County General Health District or the Free Medical Clinic vs. 15% of children receiving immunizations through a public health venue.

Benchmarks

	HP 2010 Target	U.S.	Ohio	Lake County	Survey
14 - Immunizations					
Child					45%
Adult					21%
Flu shot in last year (65+) - 2004		67.8%	67.5%		69.0%
Pneumovax 'ever' (65+)		64.5%	61.0%		

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Few respondents reported the need for prenatal care. Of the 48 who did, the majority used private healthcare services, with a laudatory 96% accessing services in the first trimester.

105) Did you need prenatal care during the past year?

RESPONSE	#	%
Yes	48	14.7%
No	279	85.3%
TOTAL	327	100.0%

106) If yes, where did you receive it?

RESPONSE	#	%
Doctor office	41	85.4%
Prenatal Clinic	7	14.6%
TOTAL	48	100.0%

106a) When did you start your prenatal care?

RESPONSE	#	%
First trimester	46	95.8%
Second trimester	2	4.2%
Third trimester		
TOTAL	48	100.0%

16- Maternal, Infant & Child Health					
16-1.d Neonatal deaths (w/in 28 days birth)(per 1,000 live births)	2.9	4.7	5.0	3.4	
16-1.f Infant deaths (w/in 1 year of life)	1.0	1.4	1.3	1.2	
16-6.a Entry into prenatal care in 1st trimester	90%	84% ('02)	87.8%	94.4%	95.80%
16-6.b Early & adequate prenatal care	90%	75%			
16-10.a Low birth weight infants ('01)	5%	7.8%	8.0%	7.3%	
16-10.b Very low birth weight infants ('01)	0.9%	1.5%	1.4%	1.5%	
16-17.c Abstain from cigarette smoking during pregnancy	99%	89%		84.0%	

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Specific Issue

Concerns were raised about the scarcity of resources for special needs children.

95) If you are the parent and/or guardian of a child or adult with developmental delays, have you taken him/her for treatment?

RESPONSE	#	%
Yes	36	2.3%
No	130	8.1%
Skipped	1,434	89.6%
TOTAL	1,600	100.0%

97) If no, why not?

RESPONSE	#	%
No money	31	23.8%
Don't know where to go	32	24.6%
Child or Adult doesn't need help now	67	51.5%
TOTAL	130	100.0%

Benchmark

Focus Area

16.23 Service systems for children w/ special health care needs

HP 2010 Target	U.S.	Ohio	Lake County	Survey
100%	15.7%			21.7%

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Race/Ethnic	#	%
White	34	87.2%
Black	1	2.6%
API		
Hispanic/Latino		
Native American	1	2.6%
Multiracial	1	2.6%
No response	2	5.1%
TOTAL	39	100.0%

RELIGION	#	%
Protestant	12	31.1%
Catholic	17	43.6%
Judaism		
Other	4	10.3%
No religious beliefs	6	9.4%
TOTAL	39	100.0%

People in Household	#	%
One		
Two	2	5.1%
Three	5	12.8%
Four	14	35.9%
Five	9	23.1%
Six	5	12.8%
Seven	3	7.7%
Eight	1	2.6%
TOTAL	39	100.0%

(2) Health Status

13) How would you rate your health?

RESPONSE	#	%
Excellent	27	69.2%
Good	12	30.8%
Fair		
Poor		
TOTAL	39	100%

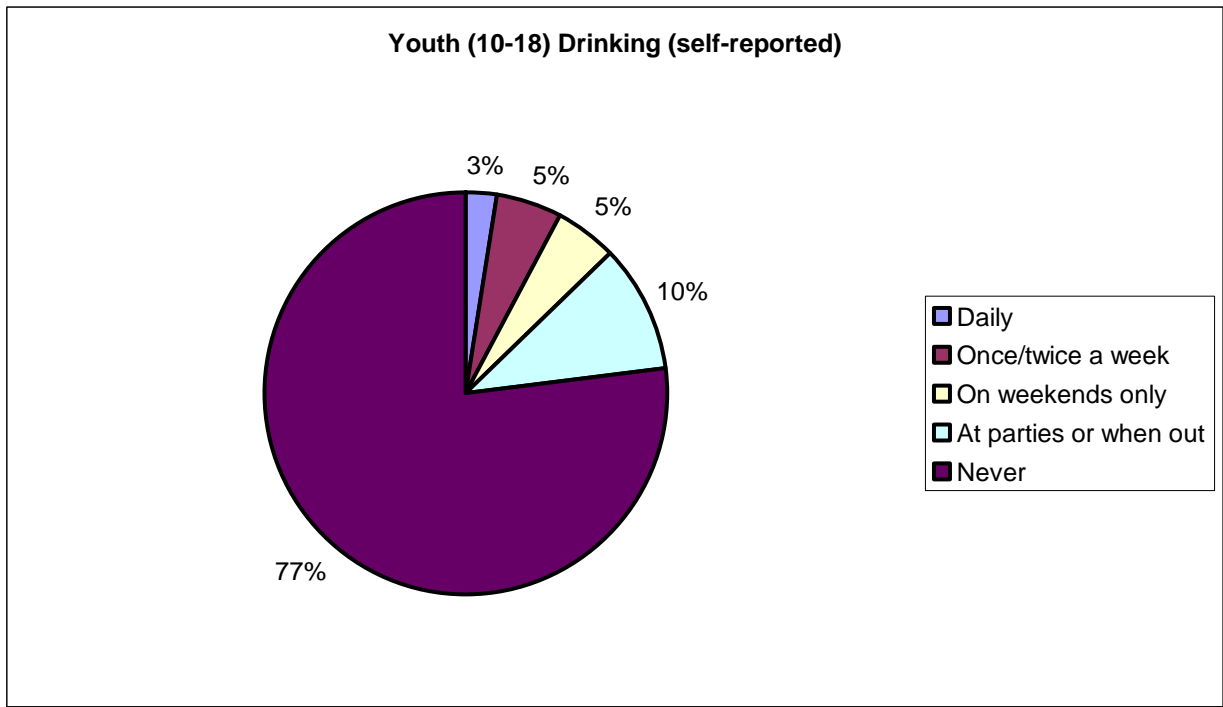
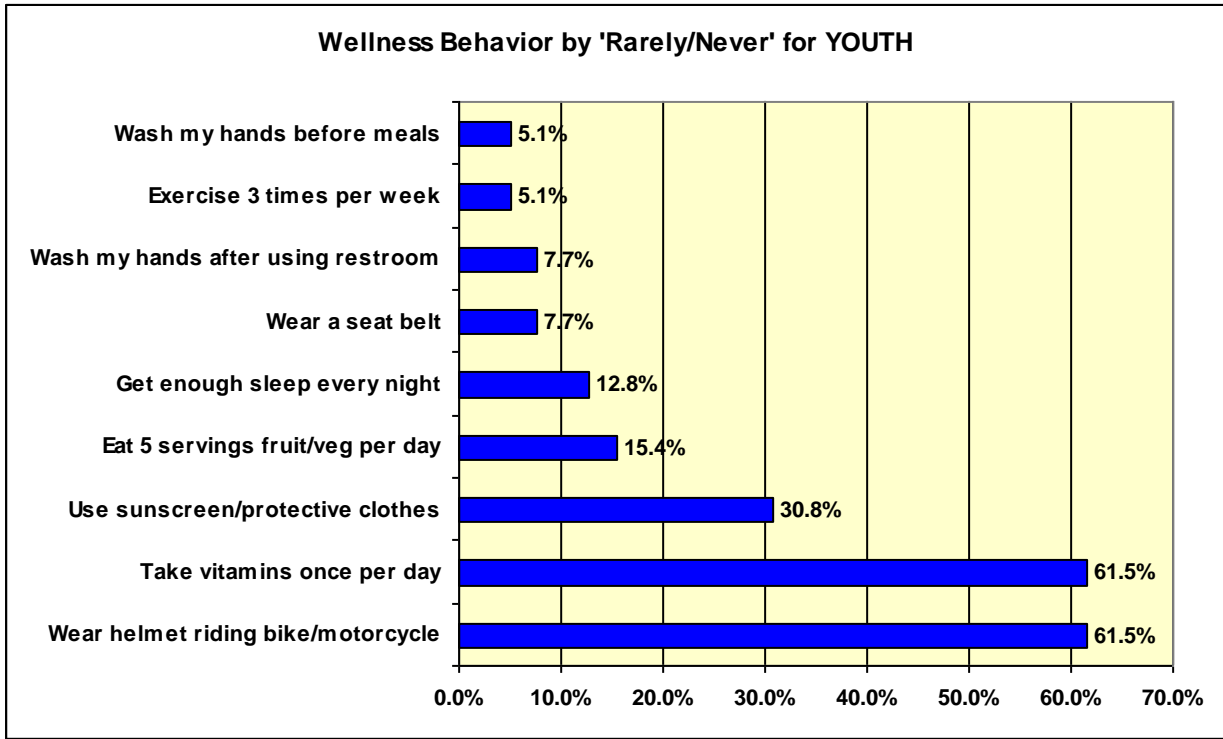
14) How would you rate your mental health?

RESPONSE	#	%
Excellent	27	69.2%
Good	10	25.6%
Fair	2	5.1%
Poor		
TOTAL	39	100.0%

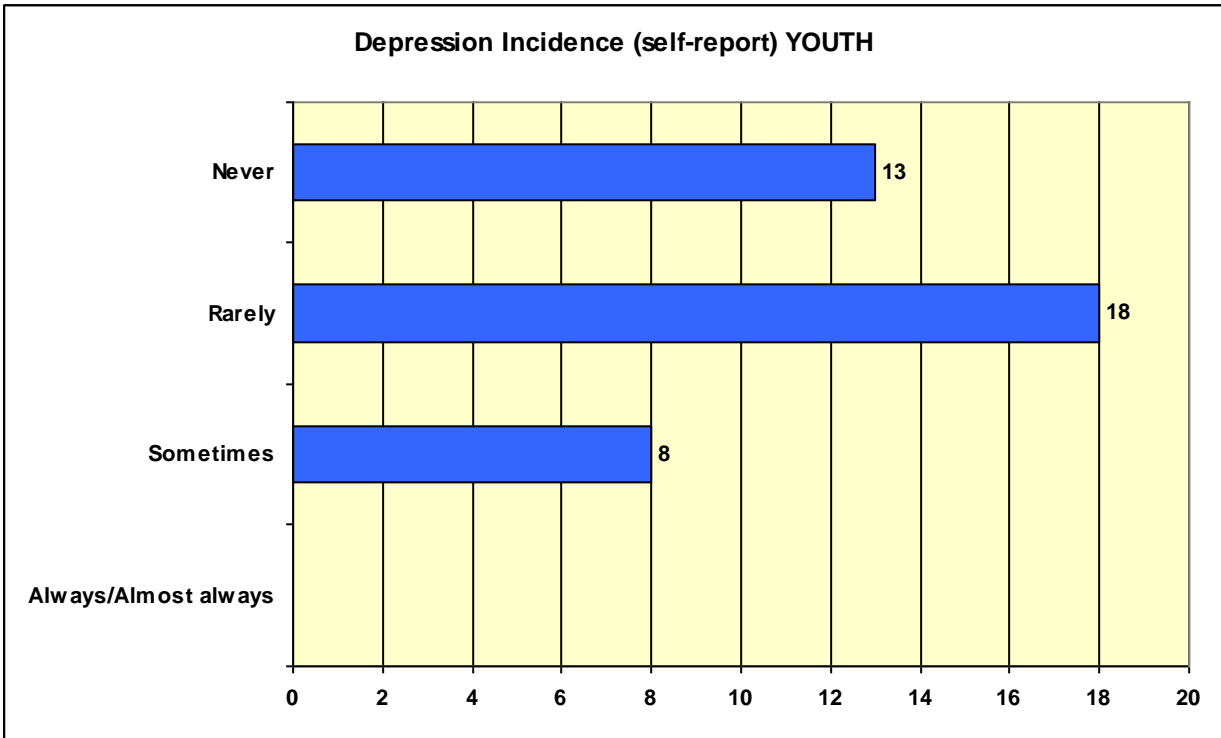
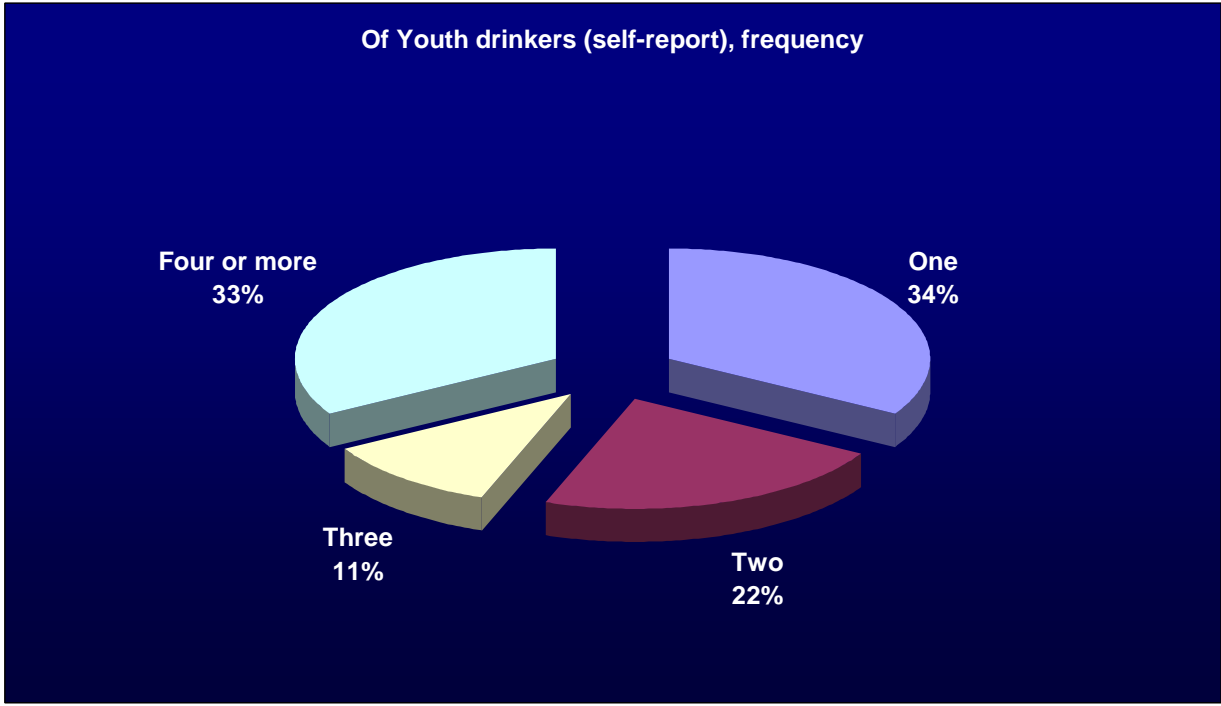
4 were 'good' PE
3 were 'excellent' PE
2 were 'excellent' PE

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(3) Wellness



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32) How would you rate yourself in terms of managing stress?

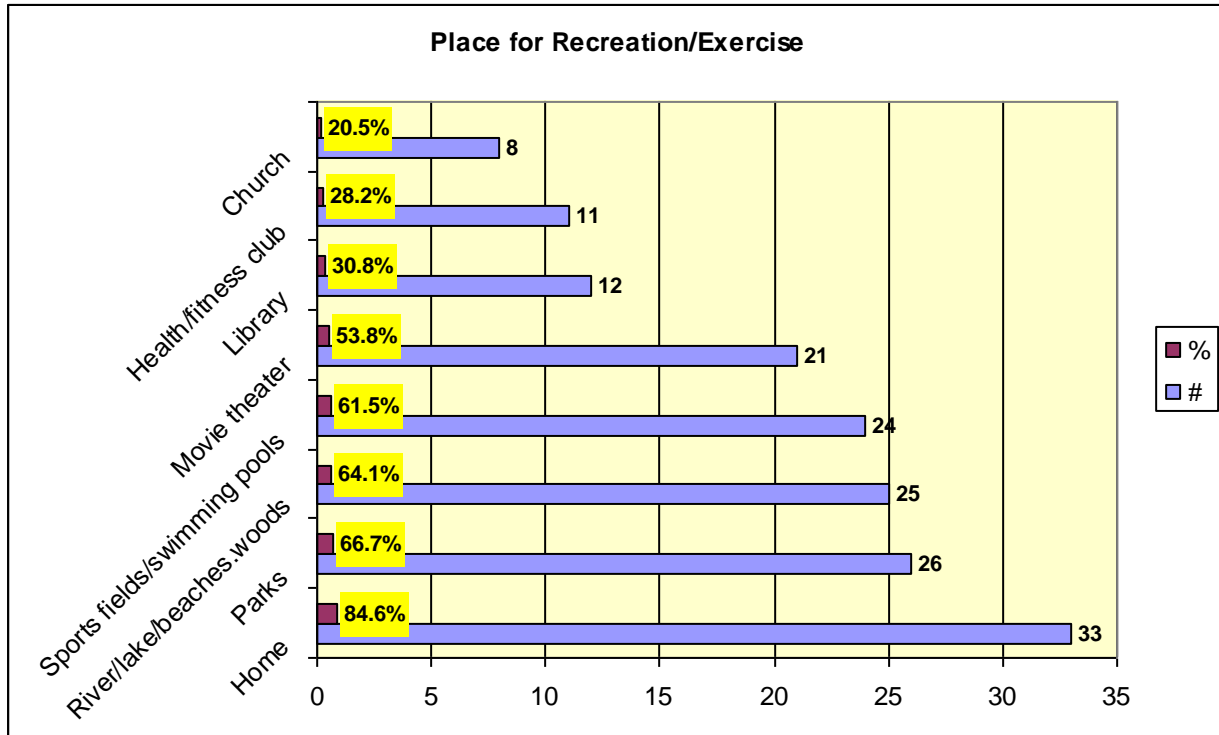
RESPONSE	#	%
Excellent	11	28.2%
Good	20	51.3%
Fair	8	20.5%
Poor		
TOTAL	39	100.0%

33) In the past year, have you ever felt so overwhelmed that you considered suicide?

RESPONSE	#	%
Yes	3	8.5%
No	36	91.5%
TOTAL	39	100.0%

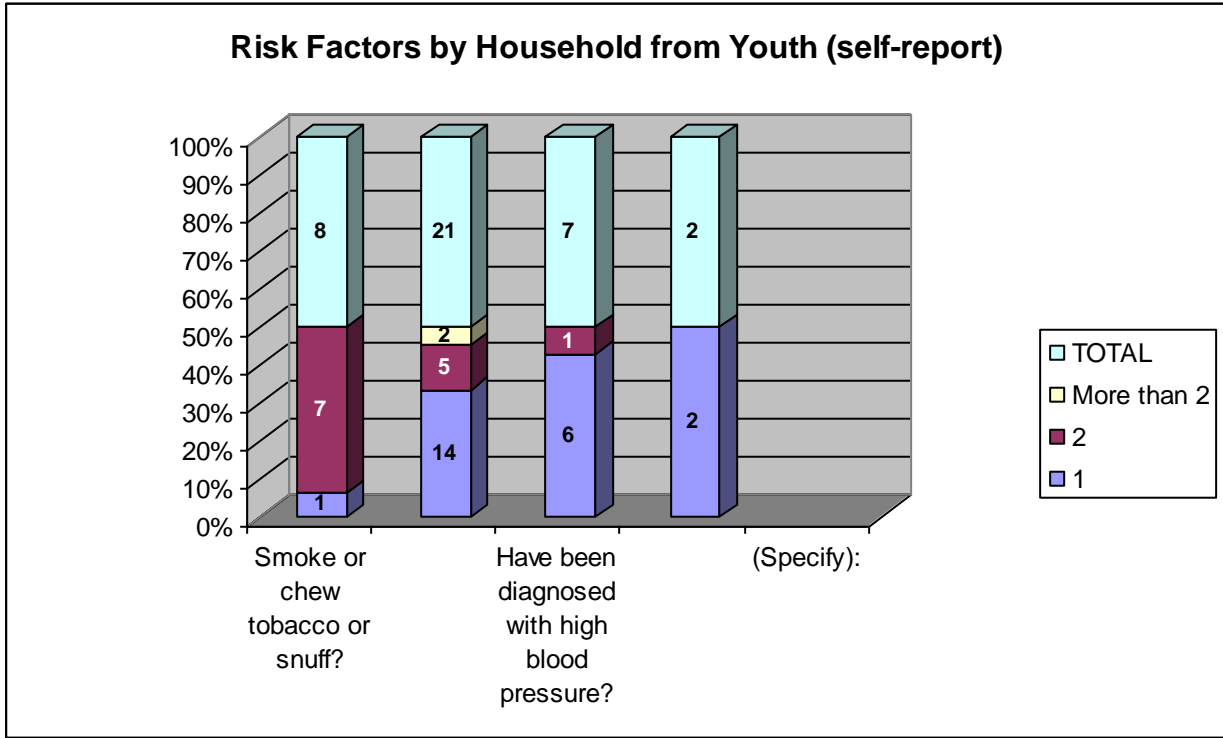
Mentor, Perry, Madison
 (2 females, 1 male) Females - 17 yo
 (2 1988, 1 1991) Male - 14 yo
 (2 17, 1 14)

(4) Exercise/Recreation



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(5) Risk Factors



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Special Concerns

Domestic Violence

	Substance use (n – 158)	Firearm possession/ not secured (n – 342/ 178)
Gender	74% male, younger (avg in 20's or 30's)	48% male self-report (avg in 40's to 50's)
Race/ethnicity	88% Caucasian 12% Hispanic 12% African American	95% Caucasian 3% African American 2% Asian Pacific
Income	\$10-19,999 as mode	\$40-49,999 as mode
Employment	86% employed	93% employed
Municipality	Central & Rural	All
Insurance status	92% insured	Insured
Housing condition	9% poor	5% poor
Mental health status	5% fair or poor	Excellent to good, only 2% poor

The Lake County homicide rate of 2.1 per 100,000 population is lower than any of the other benchmarks—Ohio, United States or Healthy People 2010.

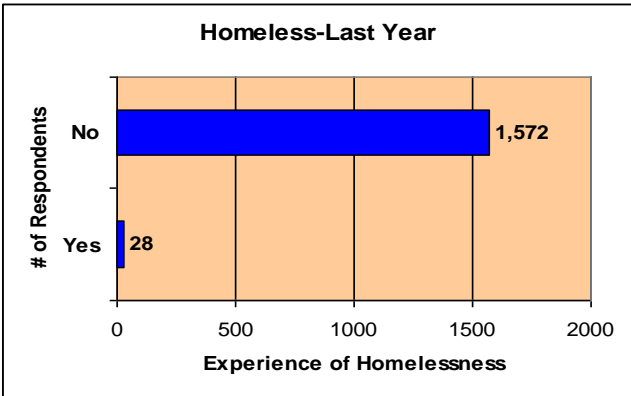
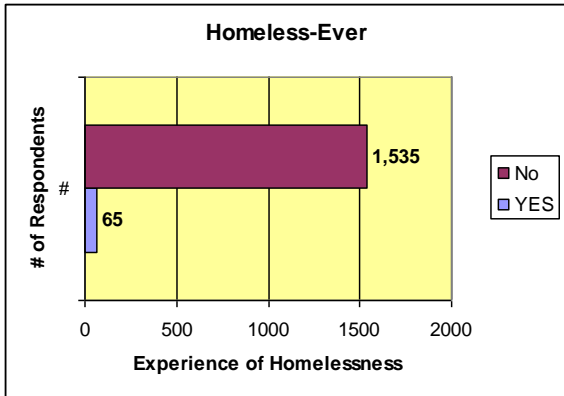
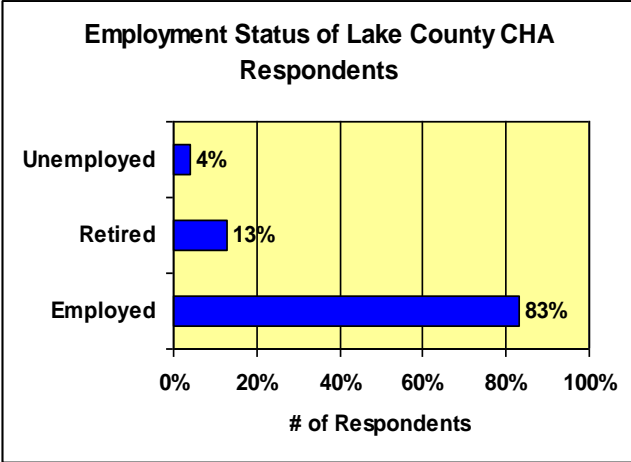
15 - Injury & Violence Prevention	HP 2010	U.S.	Ohio	Lake County	Survey
15-3 Firearm related death (per 100,000)	4.1	10.3			
15-4 Improper firearm storage in home (adult)	16%	19%			11%
15-5 Non-fatal firearm injuries (per 100,000)	8.6	19.9			
15-19 Safety belt use	92%	75%			78%
15-21 Motorcycle helmet use	79%	58%			62%
15-26.a Smoke alarms in residences	100%	87%			94%
15-32 Homicides (per 100,000 population)	3.0	6.1	4.6	2.1	

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Housing & Homelessness

- ◆ 83.1% stated that they are currently employed
- ◆ 13.5% stated that they were retired
 - Though the elderly (over 65) constituted 18.8% of all respondents
- ◆ 3.5% stated that they were unemployed
 - This figure would fall to 2.8% if those 'taking care of family' or 'disabled' were deleted

- ◆ 4.1% of respondents reported once or 'ever' being homeless
- ◆ 1.8% reported an episode of homelessness within the last year



Survey Findings

108) How would you rate Lake County as a healthy place to live?

RESPONSE	#	%
Excellent	399	24.9%
Good	1,047	65.4%
Fair	120	7.5%
Poor	6	0.4%
Skipped	28	1.8%
TOTAL	1,600	100.0%

109) How would you rate Lake County as a place to get a job?

RESPONSE	#	%
Excellent	152	9.5%
Good	683	42.7%
Fair	574	35.9%
Poor	163	10.2%
Skipped	28	1.8%
TOTAL	1,600	100.0%

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110) Check the 5 most important functions that the Lake County Health Department can do or provide to benefit your neighborhood or community.

FUNCTIONS	#	%	1	2	3	4	5
Children with special health care needs	586	41.4%	295	156	62	46	27
Chronic disease education	594	42.0%	322	107	51	75	39
Communicable disease prevention & treatment	703	49.7%	464	85	83	42	29
Epidemiology	204	14.4%					
Food inspection & education	453	32.0%					
General health information & resources	468	33.1%	272	101	56	22	17
Maternal & child health	311	22.0%					
Monitor population health status	238	16.8%					
Nutrition services & education	460	32.5%	211	98	62	57	32
Surface & ground water quality	185	13.1%					
Swimming pool & beach safety, inspection, education	167	11.8%					
Public health policy development	262	18.5%					
Safe & healthy living environment education	330	23.3%					
School environment inspections	231	16.3%					
Solid waster permitting, inspection, education	65	4.6%					
Tobacco use prevention & control	154	10.9%					
Vital records (birth & death)	81	15.7%					
Youth health education	296	20.9%					
Nuisance complaint investigation	28	2.0%					
Mosquito control	395	27.9%					
Indoor Quality Control	28	2.0%					
Outdoor Quality Control	68	4.8%					
Rabies Control	151	10.7%					
Radiation Protection	44	3.1%					
Senior Health & Care Issues	345	24.4%					
Other (list):	21	1.5%					
Subtotal	1,415	88.4%					
Skipped	185	2.4%					
TOTAL	7,815	100.0%					

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111) What do you think are the 5 most important factors that define a 'Healthy Community'?

FACTORS	#	%	1	2	3	4	5
Community involvement	408	28.7%					
Low crime/safe neighborhoods	1,025	72.2%	429	220	184	120	72
Low levels of child abuse	392	27.6%					
Good schools	895	66.3%	338	202	187	138	30
Access to health care/other services	731	51.5%	230	186	174	99	42
Parks and recreation	408	28.7%					
Clean ground water	327	23.0%					
Affordable housing	515	36.3%					
Tolerance for diversity	124	8.7%					
Good jobs & healthy economy	805	56.7%	435	248	75	42	5
Strong family life	487	34.3%					
Healthy behaviors & lifestyle	440	39.1%	339	78	12	9	2
Low death & disease rates	136	9.6%					
Religious or spiritual values	113	8.0%					
Arts & culture	34	2.4%					
Clean outdoor air	99	7.0%					
Clean indoor air	21	1.5%					
Other	3	0.2%					
SubTotal	1,420	88.8%					
Skipped	180	11.2%					
TOTAL	1,600	100.0%					

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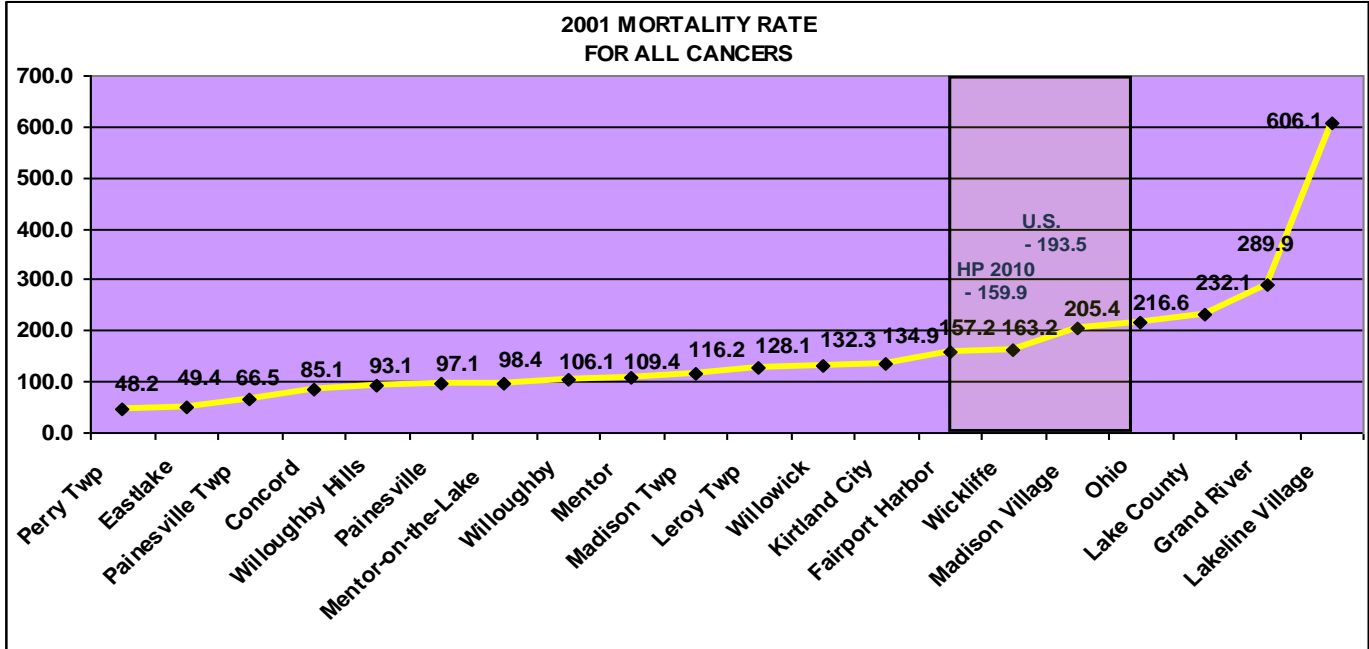
112) What are the 5 most urgent problems in your community (that impact community health)?

URGENT PROBLEMS	#	%	1	2	3	4	5
Motor vehicle crashes	206	14.6%					
Rape/sexual assault	278	19.7%					
Mental health issues	360	25.5%					
Homicide (Murder)	49	3.5%					
Child abuse/ neglect	510	36.2%	347	62	46	39	11
Suicide	89	6.3%					
Teenage pregnancy	413	29.3%	163	112	52	45	32
Domestic violence	637	45.2%	586	28	13	8	2
Firearm-related injuries	80	5.7%					
Hunger	161	11.4%					
Sexually Transmitted Diseases (HIV, STD)	341	24.2%					
Infectious disease (Hepatitis, Tuberculosis)	161	11.4%					
Poor diet/inactivity	520	36.9%					
Alcohol & other drug abuse	705	50.0%	564	78	32	19	8
Lack of access to health care services	416	29.5%	225	90	48	32	13
Chronic diseases (cancer, heart, lungs, diabetes, high blood pressure)	406	28.8%					
Aging problems (arthritis, hearing/ vision loss)	348	24.7%					
Tobacco use	320	22.7%					
Homelessness	357	25.3%					
Runoff from agricultural land	18	1.3%					
Nuisance Control (Animal/ Wildlife)	71	5.0%					
Mosquito borne disease prevention	216	15.3%					
Safe Drinking Water	130	9.2%					
Outdoor Air Quality	71	5.0%					
Indoor Air Quality	18	1.3%					
Rabies Control	52	3.7%					
Radiation protection	31	2.2%					
Other	49	3.5%					
Subtotal	1,410	88.1%					
Skipped	190	11.9%					
TOTAL	1,600	100.0%					

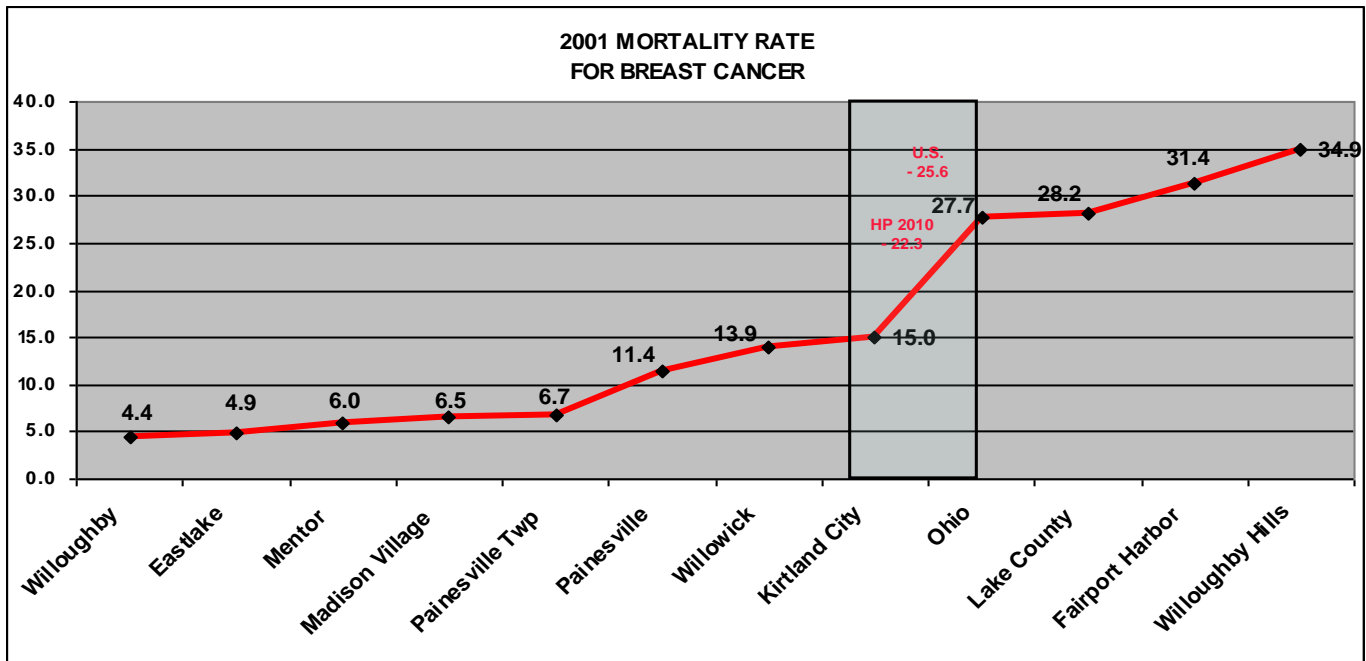
2005 Lake County, Ohio Community Health Assessment

(9) Disease Trends by Political Subdivision

FOCUS AREA 3: CANCER



The mortality rate for all cancers compares favorably to the U.S. rate and the target set by Healthy People 2010, with only two (2) political subdivisions above the Ohio rate, three (3) above the U.S. rate and four (4) above the Healthy People 2010 target.



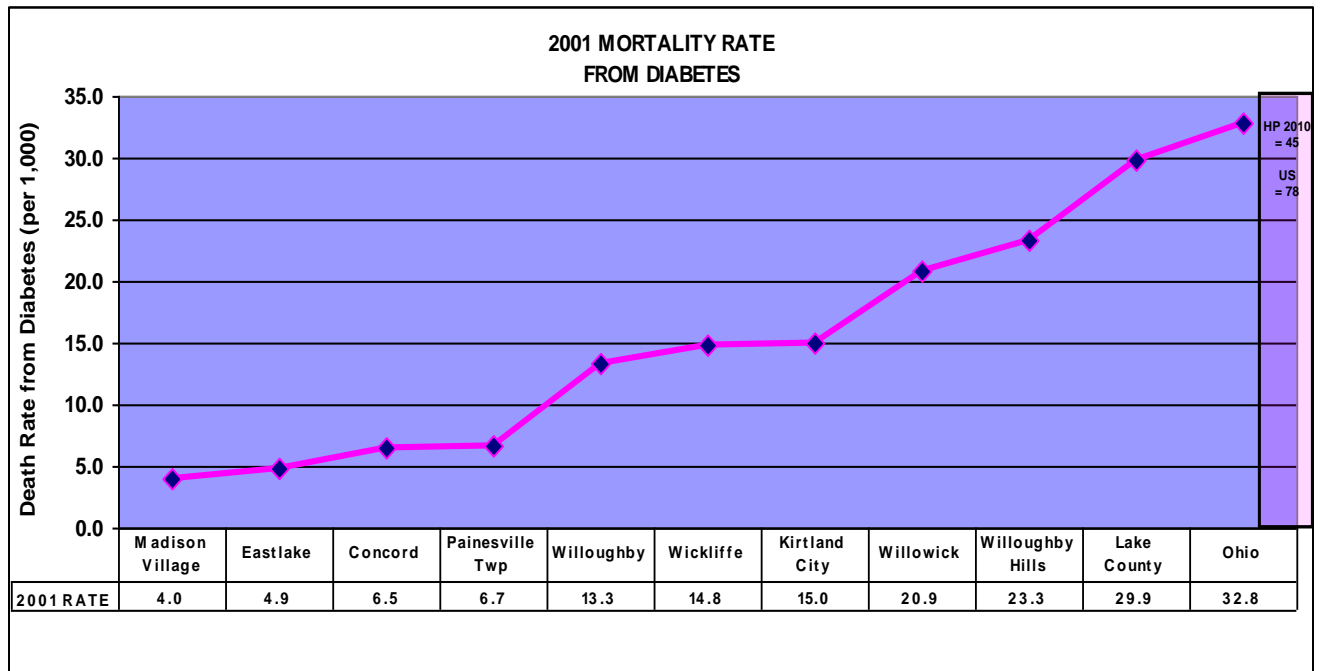
- ◆ The female breast cancer mortality rate for Lake County (28.2), is higher than any comparative source—Ohio, the U.S. or the Healthy People 2010 target. Only two (2) political subdivisions—Willoughby Hills and Fairport Harbor—are higher than the state and national rates.

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FOCUS AREA 5: DIABETES

- ◆ Diabetes has not been a concern for Lake County in the immediate past. Incidence (new cases), however, is sharply increasing from 2001 to 2003 (reported at 7.1 per 1,000 population in 2001 for Ohio, dramatic rise to 8.3 by 2003).

5 - Diabetes (per 1,000 population)	HP 2010	US	OH	Lake County	Survey
5.1 New cases (incidence)	2.5	6.4	7.1	6.8	
5.2 Prevalence	25	49	26	27.7	29
5-5 Diabetes related deaths (per 100,000)	45	78	32.9	29.8	

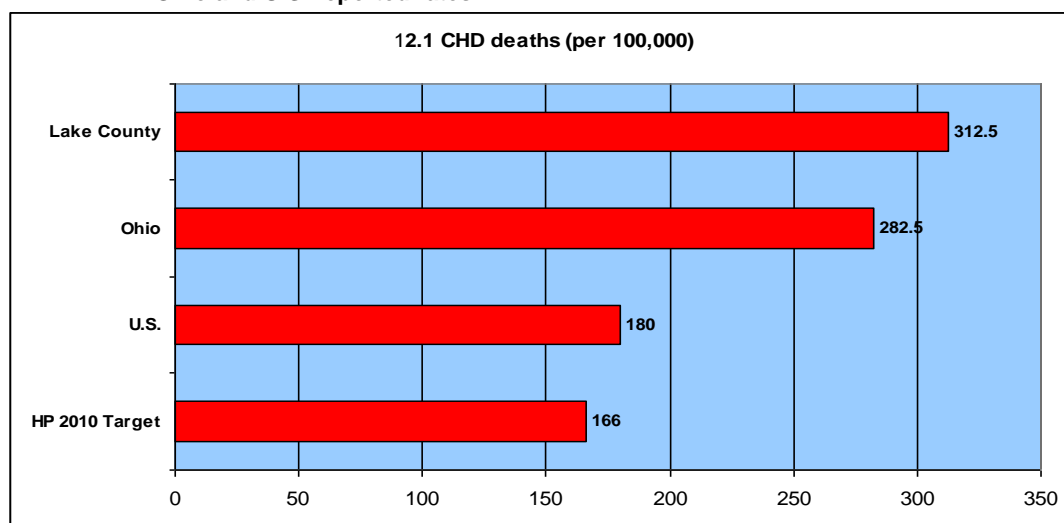


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FOCUS AREA 12: HEART DISEASE & STROKE

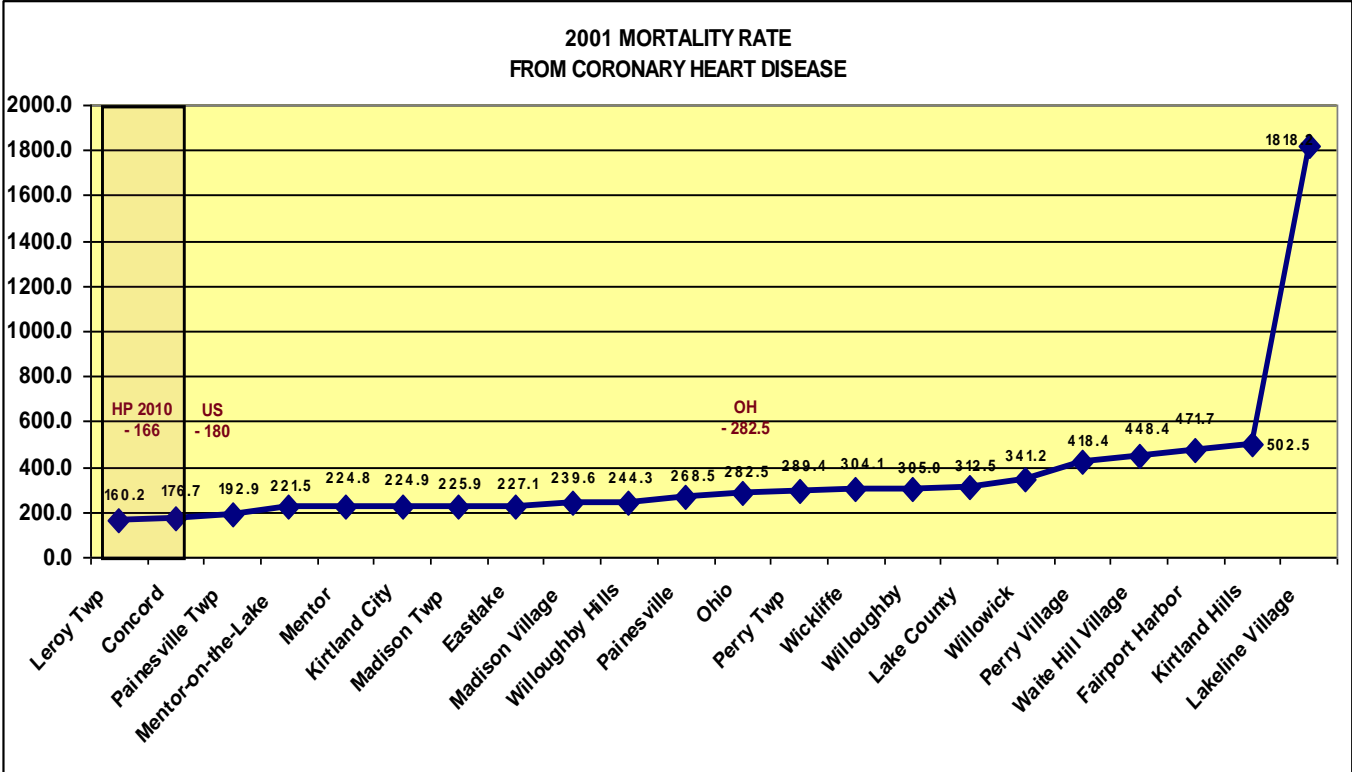
12 - Heart Disease & Stroke	HP 2010	US	OH	LC	SURVEY
12.1 CHD deaths (per 100,000)	166	180	200.6	228.7	
12.7 Stroke deaths (per 100,000)	48	56	58.9	45.4	
12.9 High blood pressure	16%	28%	26.2%		33%
12.12 Blood Pressure monitoring	95%	94.6%	95.8%		96%
12.13 Total cholesterol > 200	199	206			202
12.14 High blood cholesterol	17%	21%	22.8%		19%

- ◆ **Coronary Heart Disease mortality is the #1 killer in Lake County with rates above the HP 2010 target and the U.S. and Ohio rates.**
 - Nineteen of the 23 political subdivisions in Lake County (83%) have higher CHD death rates than the HP 2010 target, and
 - Nine (9) of the 23 political subdivisions (39%) have higher rates than the U.S. and Ohio
- ◆ **Stroke, however, is a laudable achievement in that only two political subdivisions, Fairport Harbor and Mentor-on-the-Lake have higher death rates than the HP 2010 target and only one (Fairport Harbor) is higher than the U.S. or Ohio.**
- ◆ **High blood pressure is self-reported by survey respondents as a diagnosed condition at a higher rate than the HP 2010 target or the Ohio or U.S. rates.**
 - Blood pressure monitoring is slightly higher which could correlate to the high rate of this self-reported condition.
- ◆ **Total cholesterol >200 is slightly higher than the HP 2010 target but lower than the average U.S. figure with diagnosed high blood cholesterol at a rate between the HP 2010 target and below the Ohio and U.S. reported rates.**

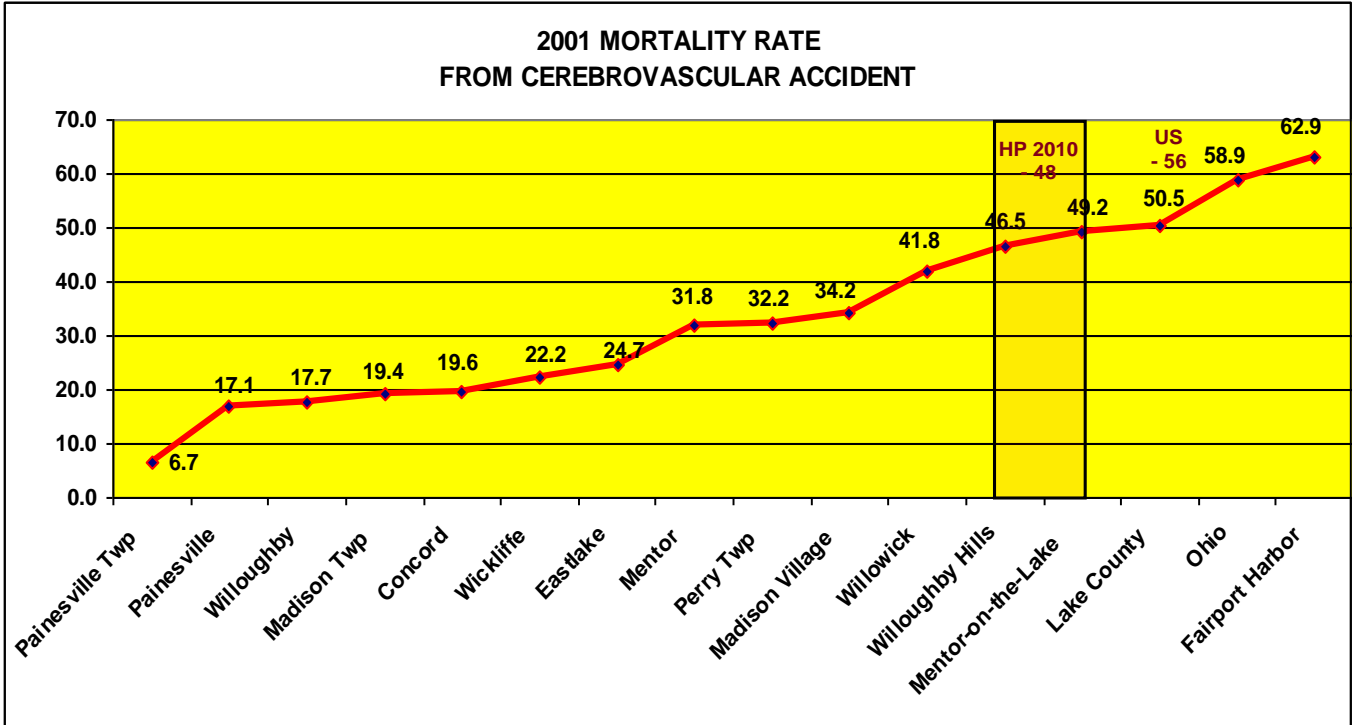


- ◆ **Coronary Heart Disease is the #1 cause of death in Lake County over the past three years (1999-2001) in Lake County.**
- ◆ **By political subdivision, only 3 areas have a lower CHD death rate than HP 2010 (Grand River, Leroy Township and North Perry) and 11 under that of Ohio.**
- ◆ **Nine (9) political subdivisions (39%) are higher than Ohio, the US and HP 2010.**

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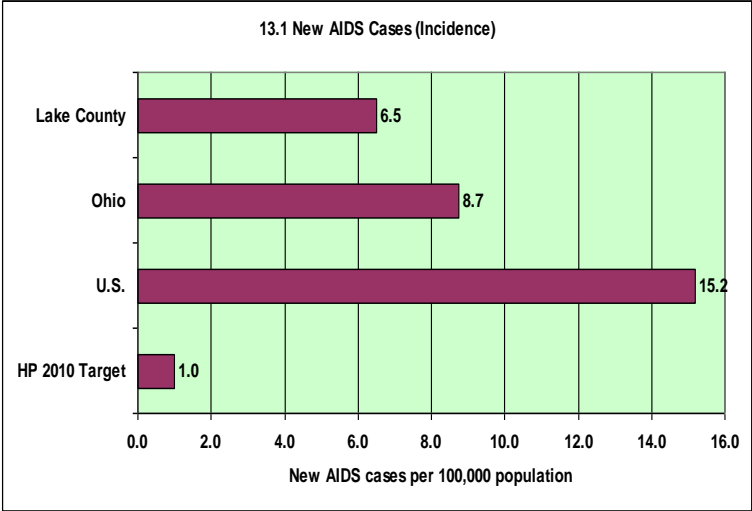
◆ Stroke deaths are a laudable achievement for Lake County in that the current mortality rate actually is close to the HP 2010, and lower than the OH and US rates.



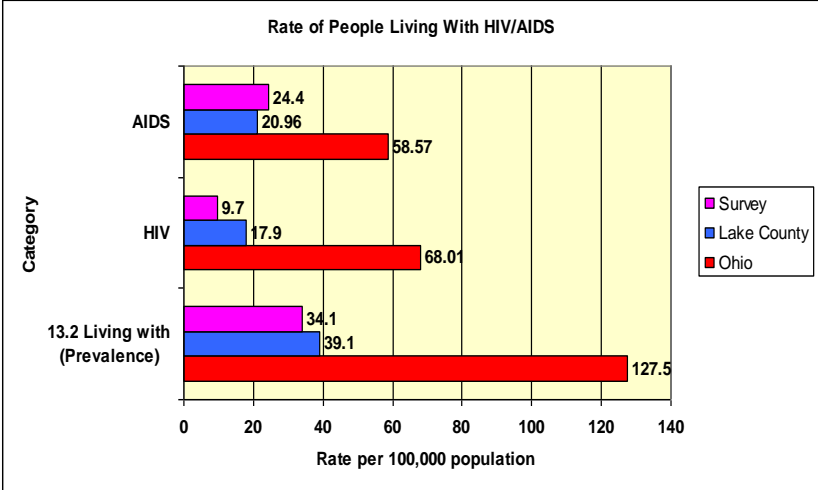
◆ Fairport Harbor and Mentor-on-the-Lake are the only 2 political subdivisions with higher mortality rates from stroke than HP 2010. Only Fairport Harbor is above the OH and US rates.

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FOCUS AREA 13: HIV



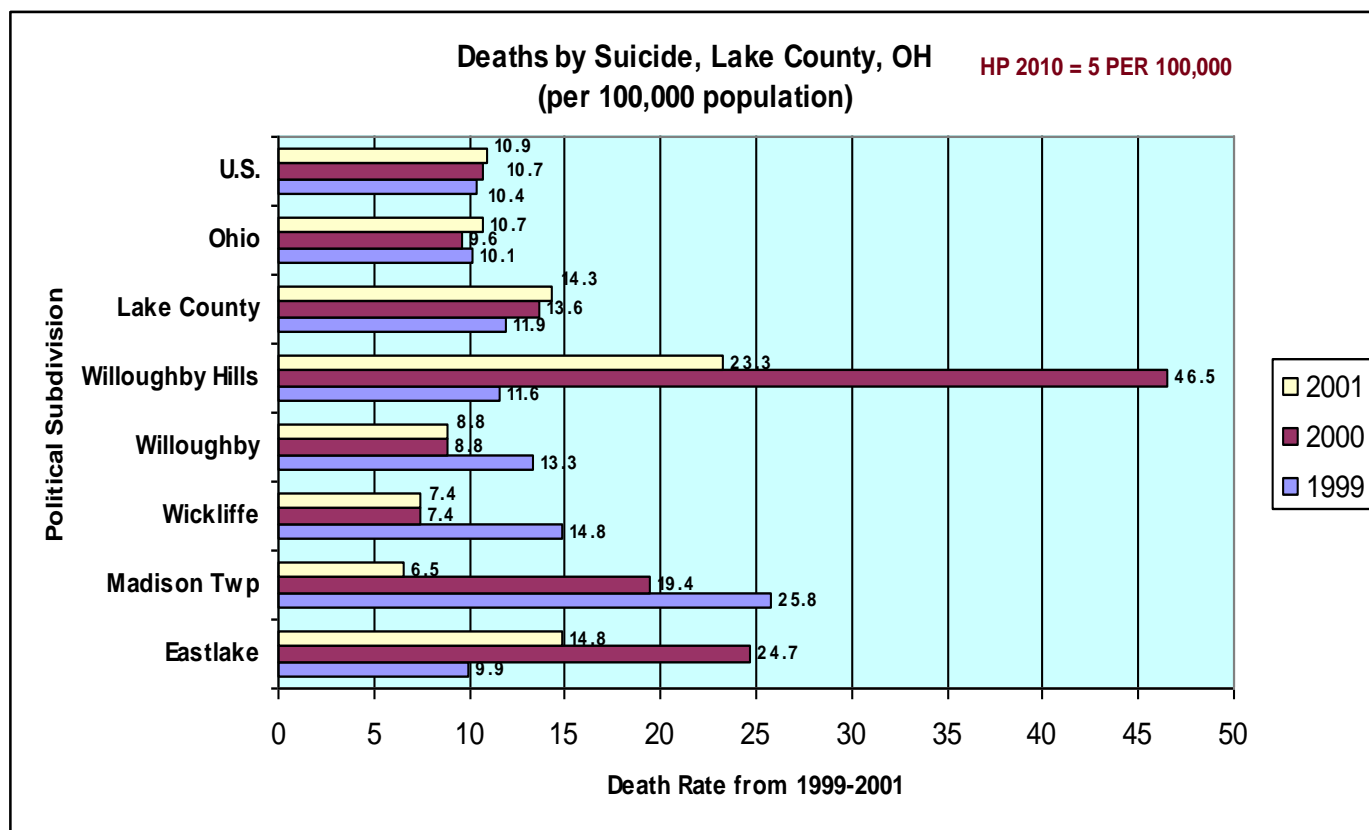
- ◆ Lake County compares favorably with Ohio and the United States in a low rate of new AIDS cases. (incidence)
- ◆ However, those People Living with HIV and AIDS (prevalence) are disproportionately composed of those with AIDS (24.4-survey, 20.96-data) vs. HIV (9.7-survey, 17.9-data).
- ◆ This disparity appears to be due to:
 - High percentage of older, long-term survivors
 - Better survival rates with advanced form of HIV disease



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FOCUS AREA 18: MENTAL HEALTH & MENTAL HEALTH DISORDERS

18 - Mental Health & Mental Health Disorders	HP 2010	U.S.	Ohio	Lake County	Survey
18.1 Suicides (per 100,000)	5	10.9 ('02)	11.0	14.3	
<i>Suicidal ideation</i>					8.5%
18.3 Serious mental illness among homeless	19%	25%			27%
18-9.a Treatment for SMI adults	55%	47%			
18-9.b Treatment for adults with depression	50%	23%			25.3%
18-9.c Treatment for adults with schizophrenia	75%	60%			
18-9.d Treatment for adults w/ generalized anxiety disorders	50%	38%			



18 - Mental Health & Mental Health Disorders	HP 2010	U.S.	OH	LAKE COUNTY	SURVEY
18.1 Suicides (per 100,000)	5	10.9 ('02)	11.0	14.3	
<i>Suicidal ideation</i>					8.5%

2005 Lake County, Ohio Community Health Assessment

FOCUS AREA 24: RESPIRATORY DISEASE

24 - Respiratory Disease	HP 2010	U.S.	Ohio	Lake County	Survey
24-1 Deaths from chronic obstructive pulmonary disease (COPD) (per 100,000)	45	118.9	60.1	43.4	
Asthma ('ever' been told have) - adult			13.2	12.2	13.1

